

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

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**NOTE:** OPEN problems denoted by asterisk (\*) following problem number.

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**PROBLEM NO:** 10117

**OPEN**

<b>END ITEM</b>	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>:</b>	AIR SURF ATCK AUR GM	1657AS0100-52	1410	01-255-6341	PD84
	WING ASSEMBLY (AIR/ASROC)	1657AS0118-2	1420	01-269-1649	PT49
	FIN ASSEMBLY, MSL CONTROL (AIR/ASROC)	1657AS0122-2	1420	01-269-1642	PG75
	WING ASSEMBLY (AIR/ASROC)	1657AS0128-2	1420	01-269-1648	PT49
	TARTAR SURF ATCK AUR GM	1657AS0400-26	1410	01-263-2914	PE13
	TARTAR SURF ATCK AUR GM	1657AS0400-28	1410	01-263-2911	PE14
	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14
	AIR TRNG MSL, CAPTIVE	543-174-0350	6920	01-399-5510	BWCF
	TARTAR SURF ATCK AUR GM	642AS0646-1	1410	01-038-6237	PA84
	TARTAR SURF ATCK AUR GM	642AS0646-14	1410	01-238-6275	PA84
	HARPOON CAPTIVE AIR TRNG MSL	651-174-0203	6920	01-442-3380	BWEW
	BALLISTIC AIR TEST VEHICLE	79-5043-2040	1410	01-110-5518	JW99

**EI CNTRL NO:**

**PROB BRIEF :** WING/FIN DEFICIENCIES (HARPOON)

**PROBLEM DESCRIPTION :** HARPOON missile wings and/or fins became inoperative and could or would not lock into position. Also, Fins could not be removed due to damaged helicoils and others had defective locking mechanisms. Wing assembly also had defective alignment pins.

**PREVENTIVE ACTION :** AWB 332 was incorporated in NAVAIR Technical Manual AW-820HN-NWS-500 of 15 June 1991. The AWB requires the weapons station to inspect and clean all TARTAR-configured wing assemblies of any corrosion and/or paint residue, and to reinstall or replace rejected wing assemblies. CATM items were repair on site and returned to ready-for-issue status.

**CORRECTIVE ACTION :** The surface ship community with TARTAR-configured HARPOON missiles were reminded to perform MRC 7211/008, R-5S inspection procedures at least semiannually. The procedures include cleaning of contaminants from latching mechanisms; hinges on wings and fins; unfold/fold booster and control fins; and to spray a lubricant on wing/fin folding mechanisms, such as hinges, pins, and pin socket. Krytox 240 AC grease MIL-G-27617 can be used during assembly. Note: Krytox grease is to be added to wing/fin drawing package. CATM wings and fins repaired on site.

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/P2621 LTR SER P2622/K-951 07JUL93	PROBLEM CLOSURE
	NAWC PT MUGU/313000E COMMENT 29JUN95	RECLOSURE OF PROBLEM

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PROBLEM NO: 10117

(Continued)

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	USS ESTOCIN (FFG-15)	CODR	V20968-01-0001	09OCT01	OPEN
	VP-47	CODR	R09600-01-0007	22APR01	OPEN
	VS-21	CODR	R09739-01-0006	22MAR01	CLOSED
	SFWSPAC	CODR	R35185-01-0001	07FEB01	CLOSED
	USS CURTS (FFG-38)	CODR	R21105-00-0001	19OCT00	OPEN
	VS-21	CODR	R09739-00-0025	21SEP00	CLOSED
	VP-46	CODR	R09632-00-0010	07AUG00	CLOSED *
	USS VANDEGRIFT (FFG-48)	CODR	R21200-00-0002	17JUN00	OPEN
	SFWSPAC	CODR	R35185-98-0003	06JAN99	CLOSED
	VS-38	CODR	R09192-98-0008	24MAY98	CLOSED *
	VS-31	CODR	V09572-98-0011	14MAY98	CLOSED *
	VS-35	CODR	R09345-98-0005	05APR98	CLOSED *
	NAWC PT MUGU	EIR	N63126-94-2000	07NOV94	CLOSED *
	NWS YORKTOWN	PQDR II	N00109-94-3122	17AUG94	CLOSED *
	NWS YORKTOWN	PQDR II	N00109-87-0071	04JUN87	CLOSED *
	PMTc DETLANT	EMR	N63126-86-1623	10MAR86	CLOSED *
	PMTc DETLANT	EMR	N63126-86-1597	21FEB86	CLOSED *

## \* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : USS ESTOCIN (FFG-15) CODR V20968-01-0001 09OCT01 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	1657AS0400-30	1410	01-263-2912	PE14
	NOMEN: TARTAR SURF ATCK AUR GM			
	S/N: L1174			
FAILED PART:	1657AS0400-30	1410	01-263-2912	PE14
	NOMEN: TARTAR SURF ATCK AUR GM			
	S/N: L1174			

**DESCRIPTION:**

092003ZOCT01: USS Estocin (FFG-15) reports that on 01 October 2001, HARPOON missiles were being off loaded at AOC Yorktown. HARPOON missile S/N L1174 was placed onto the rail for transfer to missile dolly. The aft motion latch tool was put in place in order that the missile was able to moved backwards down the rail and onto the appropriately aligned dolly. As the missile started its backward movement on the rail, a rear missile fin opened, striking the motion latch tool. Subsequently the connected booster fin opened. Both fins are connected by the torque tube assembly. The motion latch tool operator called out. The strike down chain drive operator reversed the direction immediately to free the latch tool. However, on the forward move of the missile, an open fin came in contact with the launch rail, dislodging it from the booster section. Safety officer called stoppage to the operation to assess damage. Inspection determined missile to be undamaged. Safety officer concluded conditions safe and missile off load continued.

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**PROBLEM NO: 10117**

**(Continued)**

**ACTION TAKEN:**

170129ZOCT01: NAWC Pt. Mugu in reference to missile S/N L1174 reported deficiency, requested assessment of fin and booster section damages.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR MSL L1174	17JAN02	OPEN
		DAMAGE ASSESSMENT		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ESTOCIN (FFG-15) MESSAGE	PROBLEM REPORT
	092003ZOCT01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	170129ZOCT01	

<b>ACTION :</b>	<b>VP-47</b>	<b>CODR</b>	<b>R09600-01-0007</b>	<b>22APR01</b>	<b>OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085771			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085771			

**DESCRIPTION:**

221701ZAPR01: VP-47 reported that during missile inspection, HARPOON air launch missile S/N 085771 had a damaged wing unit. Damages found on wing after missile was down loaded. Upon a closer inspection it was determined that the missile should be rejected and to acquire a new wing assembly. There is evidence of an unknown external force being applied to the affected area causing a crack.

**ACTION TAKEN:**

250529ZAPR01: NAWC Pt. Mugu informed VP-47 that the damaged wing (P/N 1657AS0128-2, S/N 100057) be placed within the shipping container that is to being used to ship missile S/N 085771 back to AOC Yorktown. In reference to the ADU-488/E container, the appropriate personnel has been notified.

20JUN01: HARPOON SLITS data identify missile S/N 085771 being downgraded to condition code "J" per document no. N68539-1128-E586. The HARPOON missile inventory manager per an E-mail, dated 7 May 2001, which was sent to Diego Garcia requested missile be shipped to AOC Yorktown under document no. N49935-1127-5252. Unit was awaiting a shipping container.

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**(Continued)**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 085771	28OCT01	OPEN
	YORKTOWN/323000E	RECEIPT		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VP-47 MESSAGE 221701ZAPR01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	250529ZAPR01	
	NAWC PT MUGU/313100E SLITS DATA 20JUN01 CONDITION CODE CHANGE	

<b>ACTION :</b>	<b>VS-21</b>	<b>CODR</b>	<b>R09739-01-0006</b>	<b>22MAR01</b>	<b>CLOSED</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	651-174-0203	6920	01-442-3380	BWEW
	<b>NOMEN:</b> HARPOON CAPTIVE AIR TRNG MSL			
	<b>S/N:</b> 006359			
<b>FAILED PART:</b>	651-174-0203	6920	01-442-3380	BWEW
	<b>NOMEN:</b> HARPOON CAPTIVE AIR TRNG MSL			
	<b>S/N:</b> 006359			

**DESCRIPTION:**

221645ZMAR01: VS-21 reported that on 18 March 2001, helicoil found broken during the installation of the upper starboard fin of HARPOON CATM S/N 006359.

**ACTION TAKEN:**

030329ZAPR01: NAWC Pt. Mugu advised VS-21 that a FWST representative has been contacted and is authorized to repair asset. Technical information will be provided in order that the representative can repair asset as authorized.

15MAY01: The FWST representative advises the HARPOON Logistics Engineer that the technical information and replacement helicoil were received. With the technical data provided, defective HCATM-84D-2, S/N 006359, was repaired and returned to ready-for-issue flight status. No other repairs or maintenance actions required.

300229ZMAY01: NAWC Pt. Mugu informed VS-21 and USS Kitty Hawk that the HARPOON Logistics Engineer concurs with repairs completed by FWST representative. Assigned task is completed. No further action required. This action closes this deficiency report.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR HCATM S/N		COMPLETE 15MAY01
		006359 REPAIRS		

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**PROBLEM NO: 10117**

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VS-21 MESSAGE 221645ZMAR01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 030329ZAPR01	INTERIM RESPONSE
	NAWC PT MUGU/313100E PHONECON 15MAY01	REPAIR DATA
	NAWC PT MUGU/313100E MESSAGE 300229ZMAY01	REPLY/CLOSING

**ACTION : SFWSPAC CODR R35185-01-0001 07FEB01 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	79-5043-2040	1410	01-110-5518	JW99
	<b>NOMEN:</b> BALLISTIC AIR TEST VEHICLE			
	<b>S/N:</b> 006146, 006146			
<b>FAILED PART:</b>	543-174-0355			
	<b>NOMEN:</b> WING, TRAINER (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN, UNKNOWN			

**DESCRIPTION:**

072100ZFEB01: SFWSPAC Lemoore reported that on 31 January 2001 and during weapons inspection of HARPOON CATM-84 missile wings and fins, it was noted that fin mounting screws were stripped and causing damage to missile helicoil. During wing installation, the wing could not be fully seated and was not able to lock onto the missile. Deficiency seems to be a direct result of repeated course usage.

**ACTION TAKEN:**

090029ZFEB01: NAWC Pt. Mugu has acknowledged receipt of deficiency report regarding HARPOON CATM-84 wing and fin damage. This report cancels deficiency report SFWSPAC 98-0003, because it reported tactical wing and fin, when damage occurred against HARPOON CATM wing and fin. NAWC Pt. Mugu informed SFWSPAC Lemoore that currently there is no logistical support for HARPOON CATM-84 assets. There are no spares for fleet usage. It was recommended that an attempt be made to repair deficient assets at local AIMD activity. SFWSPAC Lemoore to notify NAWC Pt. Mugu of intended action.

19JUN01: NAS Lemoore in a telephone conversation informed AWCAP Manager that CATM S/N 006146 was the asset that had the wing and fin deficiency. Also, it was advised that defective assets were returned to condition code "A" status. No further action warranted. This action closes this deficiency.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	NAS LEMOORE	PROVIDE REPAIR INTENTION	COMPLETE 19JUN01

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	SFWSPAC MESSAGE 072100ZFEB01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	090019ZFEB01	
	NAWC CHINA LAKE PHONECON 19JUN01	ASSET REPAIRED/CLOSURE

**ACTION : USS CURTS (FFG-38) CODR R21105-00-0001 19OCT00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065274			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065274			

**DESCRIPTION:**

190905ZOCT00: USS Curts (FFG-38) reported that on 14 October 2000, while underway, USS Curts was directing a multi-ship HARPOON shoot. During the first firing phase of the exercise, USS Curts was scheduled to launch a HARPOON missile for a designated time on top shot with four other ships. Immediately prior to generating the firing order, the missiles number four booster fin failed to open on HARPOON missile S/N 065274, preventing the EP2 panel from achieving a green board status (missile ready for flight and ready for firing voltage). As a result, the missile was not able to be fired. However, USS Curts was successfully able to participate in the next firing phase by using another HARPOON missile (S/N L1283). Prior to missile shoot, USS Curts had conducted extensive pre-firing checks on the launcher system to verify proper operation. Which includes the opening of fins. At the conclusion of the live firing exercise, the malfunctioning missile was again brought up on the rail for troubleshooting. Again the number four fin failed to open as previously stated. Attempting to extend the fin manually, it was discovered that the fin became seized in the closed position. Disposition instructions requested.

**ACTION TAKEN:**

200729ZOCT00: NAWC Pt. Mugu has acknowledged receipt of missile deficiency report in reference to the number four booster fin not opening and preventing the firing of missile S/N 065274. The fin had seized itself in the closed position. Disposition instruction was provided to USS Curts requesting missile be shipped to AOC Yorktown for repair.

08MAY01: Naval Weapons Station, Seal Beach, provided information stating that missile S/N 065274, in condition code "J", was on station, awaiting shipment to AOC Yorktown. According SLITS data,

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Seal Beach took receipt of missile on 27 February 2001, under USS  
Curts shipping document no. R21105-1057-8003.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 065274	28AUG01	OPEN
	YORKTOWN/323000E	RECEIPT		
	NWS SEAL BEACH	MONITOR MSL 065274		COMPLETE 08MAY01
		RECEIPT.		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CURTS (FFG-38) MESSAGE 190905ZOCT00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	200729ZOCT00	
	NWS SEAL BEACH FAXED REPORT 08MAY01	MSL LOCATION STATUS

<b>ACTION :</b>	<b>VS-21</b>	<b>CODR</b>	<b>R09739-00-0025</b>	<b>21SEP00</b>	<b>CLOSED</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	651-174-0203	6920	01-442-3380	BWEW
	<b>NOMEN:</b> HARPOON CAPTIVE AIR TRNG MSL			
	<b>S/N:</b> 006359			
<b>FAILED PART:</b>	651-174-0203	6920	01-442-3380	BWEW
	<b>NOMEN:</b> HARPOON CAPTIVE AIR TRNG MSL			
	<b>S/N:</b> 006359			

**DESCRIPTION:**

211645ZSEP00: VS-21 at NAS Atsugi Japan, reported that on 28 August 2000, during HARPOON CATM-84D-2, S/N 006359 fin installation, the fin helicoil was discovered to be broken. Removal of the fin revealed a stripped screw. The stripped screw was caused by the broken helicoil. The helicoil broke prior to fin reaching proper tightness. Weapons personnel had ensured proper fin and missile alignment. Damaged fin was turned over to the weapons department at NAS Atsugi.

**ACTION TAKEN:**

092103ZNOV00: VS-21 requested a response be submitted in reference to HARPOON CATM-84D-2, S/N 006359, damaged fin.

150029ZNOV00: VS-21 and NAS Atsugi were informed that NAWC Pt. Mugu was not in receipt of original fin deficiency until 14 November 2000. On 29 August 2000, via an E-mail from a Fleet Weapon Support Team representative, it was advised that the fin in reference to CATM S/N 006359, had been repaired and the missile was returned to condition code "A" status. No further action was required. NAWC Pt. Mugu concurred with this action. Action regarding this deficiency report is closed.



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<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	REPLY/CLOSURE		COMPLETE 15NOV00

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VS-21 MESSAGE 211645ZSEP00	PROBLEM REPORT
	VS-21 MESSAGE 092103ZNOV00	CODR RESPONSE REQUEST
	NAWC PT MUGU/313100E MESSAGE	REPLY/CLOSING
	150029ZNOV00	

<b>ACTION :</b>	<b>USS VANDEGRIFT</b>	<b>CODR</b>	<b>R21200-00-0002</b>	<b>17JUN00 OPEN</b>
	<b>(FFG-48)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-28	1410	01-263-2911	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065435			
<b>FAILED PART:</b>	1657AS0400-28	1410	01-263-2911	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065435			

**DESCRIPTION:**

170615ZJUN00: USS Vandegrift (FFG-48) reported that on 15 June 2000, at Barking Sands HI during a HARPOON firing exercise, using HARPOON missile S/N 085708, the fins failed to open on command. Upon attempted firing of the missile, two of the four fins failed to open precluding firing of the missile.

**ACTION TAKEN:**

210029ZNOV00: NAWC Pt Mugu acknowledged receipt of reported fin deficiency. Also, NAWC Pt. Mugu state that via an E-mail from USS Vandegrift (FFG-48), also dated 21 November 2000, Pt. Mugu was informed that the correct serial number of the missile in question was S/N 065435 and not S/N 085708 as was reported.

13MAR01: Review of SLITS data, as of 06 December 2000, is still show defective missile S/N 065435 at Fleet Activity Yokosuka Japan. Missile condition code was changed from "E" to "F".

21JUN01: Review of SLITS data confirms missile to be at Naval Station Guam in condition code "J". Guam took receipt of missile on 26 March 2001 under document no. N49935-1043-5250.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	DCMC BOEING ST	MONITOR MSL 065435	10MAR01	OPEN
	LOUIS/RDOBA	RECEIPT		

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**REFERENCES : IDENTIFICATION**

USS VANDEGRIFT (FFG-48) MESSAGE  
170615ZJUN00  
NAWC PT MUGU/313100E MESSAGE  
210029ZNOV00  
NAWC PT MUGU/313100E AWARS SLITS  
13MAR01  
NAWC PT MUGU/313100E SLITS INFO 21JUN01

**REFERENCE BRIEF**

PROBLEM REPORT  
  
INTERIM RESPONSE  
  
MSL LOCATION STATUS  
  
MSL LOCATION STATUS

**ACTION : SFWSPAC CODR R35185-98-0003 06JAN99 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0118-2	1420	01-269-1649	PT49
	<b>NOMEN:</b> WING ASSEMBLY (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN			
<b>FAILED PART:</b>	1657AS0118-2	1420	01-269-1649	PT49
	<b>NOMEN:</b> WING ASSEMBLY (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN			
<b>END ITEM :</b>	1657AS0122-2	1420	01-269-1642	PG75
	<b>NOMEN:</b> FIN ASSEMBLY, MSL CONTROL (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN			
<b>FAILED PART:</b>	1657AS0122-2	1420	01-269-1642	PG75
	<b>NOMEN:</b> FIN ASSEMBLY, MSL CONTROL (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN			
<b>END ITEM :</b>	1657AS0128-2	1420	01-269-1648	PT49
	<b>NOMEN:</b> WING ASSEMBLY (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN			
<b>FAILED PART:</b>	1657AS0128-2	1420	01-269-1648	PT49
	<b>NOMEN:</b> WING ASSEMBLY (AIR/ASROC)			
	<b>S/N:</b> UNKNOWN			

**DESCRIPTION:**

062100ZJAN99: SFWSPAC reported that on 16 December 1998, during an AGM-84 HARPOON missile wings and fins inspection, it was discovered that the cotter keys were missing from the wing's locking bars. Wings could not be locked to the missile. Inspection of the fins revealed mounting screws stripped, causing damage to missile's helicoils. Suspect repeated useage of wings and fins during course of instructions.

**ACTION TAKEN:**

120129ZJAN99: NAWC Pt. Mugu requested SFWSPAC Lemoore to turn the deficient wings and fins in, and submit a replacement requisition through the normal supply channels. Temporary usage of CATM wings and fins for DATM assets were authorized until replacement are acquired.

25OCT99: NAWC Pt. Mugu informed NAS Lemoore that further action

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**PROBLEM NO: 10117**

**(Continued)**

regarding this deficiency report was not required. Therefore, deficiency report was considered closed.

12DEC00: Upon further investigation, by NAWC Pt. Mugu, of the wings and fins problem at SFWSPAC Lemoore, found that the missile reported was a HARPOON CATM, which does not utilize tactical (wings and fins) NALCs as was reported. Currently there is not logistical support for HARPOON CATM assets. There is no spare wings and fins available for fleet issue.

04JAN01: NAWC Pt. Mugu informed SFWSPAC at NAS Lemoore that there were no spare wings and fins available to support HARPOON CATM at SFWSPAC. It was advised that an attempt can be made to repair CATM locally by an AIMD activity. If asset can not be repaired unit is to be returned to NSWC Indian Head MD.

16JAN01: NAWC Pt. Mugu and SFWSPAC Lemoore in a telephone conversation concluded an error was made in the reporting of deficient assets stated in the initial deficiency report. SFWSPAC Lemoore informed NAWC Pt. Mugu that an inventory of deficient assets will be conducted to correct error previously reported. Upon conclusion of inventory a retransmittal of deficiency will be provided.

090029ZFEB01: NAWC Pt. Mugu acknowledged receipt of retransmittal of reported missile wings and fin deficiencies. It was advised by SFWSPAC schools, that original deficiency report identified tactical HARPOON wings and fins being damaged. The original report (98-0003), this deficiency report, was submitted in error. The damaged wings and fins were that of a HARPOON CATM-84D missile. Therefore, this deficiency report has been cancelled and no further action required. This closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAS LEMOORE	INVESTIGATE CORRECT ASSETS		COMPLETE 09FEB01
		NAWC PT MUGU/313100E	PROVIDE WINGS/FINS DISP INSTRUCTIONS		COMPLETE 20JAN99
		NAWC PT MUGU/313100E	FOLLOWUP ON WING & FIN REPLACEMENTS		COMPLETE 25OCT99

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		SFWSPAC MESSAGE 062100ZJAN99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 120129ZJAN99	INTERIM RESPONSE
		NAWC PT MUGU/313100E PHONCON 25OCT99	WING/FIN REPLACEMENT STATUS
		NAWC PT MUGU/313100E ASSET REVIEW 12DEC00	REPORTING ERROR
		NAWC PT MUGU/313100E PHONCON 04JAN01	ASSET NON-SUPPORT

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PROBLEM NO: 10117

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REFERENCES : IDENTIFICATION

NAWC PT MUGU/313100E PHONCON 16JAN01  
NAWC PT MUGU/313100E MESSAGE  
090029ZFEB01

REFERENCE BRIEF

ASSET INVENTORY  
CLOSING ACTION

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**OPEN**

<b>END ITEM :</b>	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	AIR SURF ATCK AUR GM	1657AS0100-48	1410	01-258-0442	PE02
	AIR EXER TRNG AUR MSL	1657AS0100-49	1410	01-257-4977	PE62
	AIR SURF ATCK AUR GM	1657AS0100-50	1410	01-258-0443	PD84
	AIR SURF ATCK AUR GM	1657AS0100-52	1410	01-255-6341	PD84
	AIR EXER TRNG AUR MSL	1657AS0100-53	1410	01-255-6342	PD50
	AIR TRNG MSL, CAPTIVE	543-174-0350	6920	01-399-5510	BWCF
	AIR SURF ATCK AUR GM	642AS0117-1	1410	01-253-0224	PB01
	AIR SURF ATCK AUR GM	642AS0117-13	1410	01-253-0241	PC01

**EI CNTRL NO:**

**PROB BRIEF :** BIT FAILURES, AIR LAUNCH (HARPOON)

**PROBLEM DESCRIPTION :** Air-launched tactical or trainer configured HARPOON missiles (AGM/ATM-84D-1 series) failed missile BIT while up loaded and or being down loaded from a fleet aircraft. The weapons system console displayed a misslie "NO-GO" failure indication during missile built-in-test (BIT). Failures are the indications of a faulty guidance section and failure may be of a flight/mission critical nature.

**PREVENTIVE ACTION :** Insure missile BIT procedures are performed properly, accurately and in accordance with the procedures as stated in the Aircraft missile loading manual that is relevant to type of aircraft and type missile being tested. Ensure missile and launch connections are complete and properly mated. Missiles must failing two out of three BITs performed prior to being reported.

**CORRECTIVE ACTION :** Corrective action consists of evaluating, testing and analyzing each failure on a case by case basis in order to confirm or not-to confirm the reported deficiency. Failures, maintenance actions, tests and repair data are analyzed for various trends in order for proper corrective actions or changes can be implemented to cut down on the number BIT failures. Failed sections are replaced. Section level tests are performed to further confirm or not-to-confirm identify cause of failure. Failed sections are shipped to depot for further evaluation, tests and repairs. All-up Round reported BIT failures the Missile Subsytem Test Set test could-not-duplicate are to be returned to ready-for-issue condition code "A" status.

<b>OCCURRENCES:</b>	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
	VS-22	CODR	V09287-01-0012	14MAR01	OPEN
	VP-47	CODR	R09600-01-0001	18JAN01	OPEN
	VP-45	CODR	V09665-00-0020	26SEP00	OPEN
	VP-45	CODR	V09665-00-0021	26SEP00	OPEN
	VP-45	CODR	V09665-00-0022	26SEP00	OPEN
	NAWC PT MUGU	CODR	N63126-00-8001	16FEB00	OPEN
	VP-4	CODR	R09623-99-0008	17MAY99	OPEN

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**PROBLEM NO: 10193**

**(Continued)**

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
VS-31	CODR	V09572-98-0010	15MAY98	CLOSED *
VP-47	CODR	R09600-98-0010	22APR98	OPEN
VS-33	CODR	R09263-98-0006	21JAN98	OPEN
COMRESPATWINGLANT	CODR	N09158-94-0001	15DEC94	CLOSED *
VS-32	CODR	V09353-94-0002	20JUL94	CLOSED *
VP-46	EMR	R09632-93-0004	17JUN93	CLOSED *
VS-31	EMR	V09572-91-0031	16OCT91	CLOSED *
VS-31	EMR/QDR	V09572-91-0021	04AUG91	CLOSED *
VA-65	EMR	V09710-89-0025	05SEP89	CLOSED *
VA-75	EMR	V09628-88-0052	06JUL88	CLOSED *
VA-176	PQDR I	V09940-86-0013	29MAY86	CLOSED *
USS AMERICA (CV-66)	PQDR I	V03366-86-6018	17APR86	CLOSED *
VA-85	EMR/QDR	V09225-86-0017	27MAR86	CLOSED *
VA-85	EMR/QDR	V09225-86-0018	27MAR86	CLOSED *
VA-176	PQDR II	V09940-86-0012	20MAR86	CANCELED*

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : VS-22 CODR V09287-01-0012 14MAR01 OPEN**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 002105			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 002105			

**DESCRIPTION:**

140053ZMAR01: VS-22 reported that while inflight on a routine mission, the Tactical Control Officer powered up the HARPOON Aircraft Command and Launch Control System and in reference to HARPOON missile S/N 002105 at station six received a "NO-GO" light on the weapon's control panel. On return from flight and missile down loaded. The TS-3519/D test set was connected to aircraft systems and no deficiencies found. Another missile was up loaded on same station and this time the system displayed a "GO" light.

**ACTION TAKEN:**

140029ZMAR01: NAWC Pt. Mugu acknowledged receipt of missile deficiency. Requested USS Harry S Truman to have missile S/N 002105 downgraded and placed in condition code "J". Missile is to be shipped back to AOC Yorktown for further evaluation and test.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
	NAWC PT MUGU/313100E	MONITOR MSL RETURN STATUS	07JAN02 OPEN

HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

(Continued)

ACTION : VP-47 CODR R09600-01-0001 18JAN01 OPEN

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VP-47 MESSAGE 181600ZJAN01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	280329ZMAR01	
	NALC MECHANICSBURG/41B E-MAIL 07MAY01	MSL SHIPMENT STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10193**

**(Continued)**

**ACTION : VP-45 CODR V09665-00-0020 26SEP00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> L0304			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> L0304			

**DESCRIPTION:**

261210ZSEP00: VP-45 at NAS Sigonella IT, reported that on 23 September 2000, ATM-84D-1, HARPOON missile S/N L0304 failed BIT during post load missile check. Another HARPOON missile was up loading on same aircraft station as the failed missile, it passed with no discrepancies noted.

**ACTION TAKEN:**

020029Z OCT00: NAWC Pt. Mugu acknowledges receipt of missile deficiency report regarding HARPOON missile S/N L0304 and will take for action. Requested Weapons Officer place missile in condition code "J" and for it to be shipped to AOC Yorktown at the earliest possible opportunity.

01MAR01: Defective missile S/N L0304 arrived AOC Yorktown on 26 February 2001. Unit remains in condition code "J" awaiting to be inducted for further test and repairs. Yorktown took receipt of missile under NAS Sigonella IT shipping document no. N62995-0329-1375.

01AUG01: Missile S/N L0304 was inducted for processing on 09 July 2001. It failed testing and guidance section S/N 097105 was cause of failure. Fleet reported BIT failure was confirmed.

30SEP01: AWARS database maintenance data sheet advises that on 09 July 2001, HARPOON S/N L0304 had been inducted into the "I" level maintenance cycle. Inspection revealed a fuel leak coming the start tank of sustainer section S/N 060157. Leaking sustainer was removed and another was installed (sustainer section S/N 070183) in order that an incoming test can be performed. Missile failed the following all up round test modules:

5130 - Missile Pyro Test

5210 - Missile Power up

5310 - Seeker Status and Boresight

5320 - Transmitter Characteristics

Aborted during 5410 - ARA Tests (with overheated alarm)

Failure codes identifies a failed guidance section. No guides were available, therefore, missile was placed in storage. Maintenance sheet made no reference to guide being removed.



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**HARPOON ACTIVE  
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**PROBLEM NO: 10193**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	AOC YORKTOWN/201	MONITOR MSL L0304 RECEIPT		COMPLETE 01MAR01
	NAWC DET YORKTOWN/323000E	MONITOR MSL S/N L0304 INDUCTION		COMPLETE 09JUL01
	NAWC PT MUGU/313100E	MONITOR SUST 070183 STATUS	07JAN02	OPEN
	NAWC PT MUGU/313100E	MONITOR GUIDE 097105 STATUS	07JAN02	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VP-45 MESSAGE 261210ZSEP00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 020029ZOCT00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 01MAR01	MSL RECEIPT
	NAWC DET YORKTOWN/323000E STATUS REPORT 01AUG01	MISSILE TEST STATUS
	NAWC PT MUGU/313100E AWARS 30SEP01	MISSILE TESTED

<b>ACTION</b>	<b>: VP-45</b>	<b>CODR</b>	<b>V09665-00-0021</b>	<b>26SEP00 OPEN</b>	
	<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0100-52	1410	01-255-6341	PD84
		<b>NOMEN:</b> AIR SURF ATCK AUR GM			
		<b>S/N:</b> 065610			
	<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
		<b>NOMEN:</b> AIR SURF ATCK AUR GM			
		<b>S/N:</b> 065610			

**DESCRIPTION:**

261215ZSEP00: VP-45 at NAS Sigonella IT, reported that during post load missile checks, HARPOON missile S/N 065610 failed BIT check. Missile was down loaded from station eleven and up loaded on station sixteen and missile still failed BIT check.

**ACTION TAKEN:**

020029ZOCT00: NAWC Pt. Mugu informed VP-45 and NAS Sigonella to have missile S/N 065610 shipped back to AOC Yorktown for further test and repairs.

01MAR01: According to NAWC Det Yorktown HARPOON monthly status report, defective missile S/N 065610 arrived AOC Yorktown on 26 February 2001. Unit remains in condition code "J" awaiting to be inducted for further test and repairs. CAIMS/SLITS updated accordingly. Yorktown took receipt of missile under NAS Sigonella IT shipping document no. N62995-0329-1375.

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**PROBLEM NO: 10193**

**(Continued)**

30JUL01: AWARS data is showing a maintenance data sheet for defective missile S/N 065610, it was initiated on 03 July 2001. The incoming test was performed and missile failed test parameter 5160 module and measurements 10 and 11. Failure indicated a faulty guidance section. No details available.

01AUG01: NAWC Det Yorktown via HARPOON monthly status report of 01 August 2001, it advised that missile failed the incoming test. Guidance section S/N 107066 suspected of having caused missile failure.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	AOC YORKTOWN/201	MONITOR MSL 065610 RECEIPT		COMPLETE 01MAR01
	NAWC DET YORKTOWN/323000E	MONITOR MSL 065610 INDUCTION		COMPLETE 01AUG01
	NAWC PT MUGU/313100E	MONITOR GUIDE 107086 STATUS	17DEC01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VP-45 MESSAGE 261215ZSEP00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 020029ZOCT00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 01MAR01	MSL RECEIPT
	NAWC PT MUGU/313100E AWARS 30JUL01	MSL TESTED
	NAWC DET YORKTOWN/323000E STATUS REPORT 01AUG01	GUIDE CAUSED FAILURE

<b>ACTION</b>	<b>: VP-45</b>	<b>CODR</b>	<b>V09665-00-0022</b>	<b>26SEP00</b>	<b>OPEN</b>
		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0100-52	1410	01-255-6341	PD84
		<b>NOMEN:</b> AIR SURF ATCK AUR GM			
		<b>S/N:</b> 105169			
<b>FAILED PART:</b>		1657AS0100-52	1410	01-255-6341	PD84
		<b>NOMEN:</b> AIR SURF ATCK AUR GM			
		<b>S/N:</b> 105169			

**DESCRIPTION:**

261220ZSEP00: VP-45 at NAS Sigonella IT, reported that on 25 September 2000, HARPOON missile S/N 105169 had been up loaded onto an aircraft at station sixteen and no discrepancies noted during BIT check. The aircraft remained on deck as the ready aircraft for 24 hours. After the 24 hours aircraft was again preflighted by the new oncoming ready flight crew. This time missile S/N 105169 failed the BIT check. With another HARPOON missile up loaded at station sixteen, BIT was performed with no discrepancies noted. Missile S/N 105169 was turned into station weapons department.

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**PROBLEM NO: 10193**

**(Continued)**

**ACTION TAKEN:**

020029ZOCT00: NAWC Pt. Mugu informed VP-45 and NAS Sigonella to have HARPOON missile S/N 105169 shipped back to AOC Yorktown for further test and repairs.

01MAR01: According to NAWC Det Yorktown HARPOON monthly status report, defective missile S/N 105169 arrived AOC Yorktown on 26 February 2001. Unit remains in condition code "J" awaiting to be inducted for further test and repairs. CAIMS/SLITS updated accordingly. Yorktown took receipt of missile under NAS Sigonella IT shipping document no. N62995-0329-1376.

01SEP01: NAWC Det Yorktown via HARPOON monthly status report of 1 September 2001, it was reported that on 2 July 2001, missile S/N 105169 failed incoming test and guidance section S/N 127011 found to be cause of failure.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	AOC YORKTOWN/201	MONITOR MSL 105169 RECEIPT		COMPLETE 01SEP01
	NAWC PT MUGU/313100E	MONITOR GUIDE 127011 STATUS	17DEC01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VP-45 MESSAGE 261220ZSEP00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 020029ZOCT00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 01MAR01	MSL RECEIPT
	NAWC DET YORKTOWN/323000E STATUS REPORT 01SEP01	MSL TESTED

<b>ACTION</b>	<b>: NAWC PT MUGU</b>	<b>CODR</b>	<b>N63126-00-8001</b>	<b>16FEB00</b>	<b>OPEN</b>
<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>	
	1657AS0100-52	1410	01-255-6341	PD84	
	<b>NOMEN:</b> AIR SURF ATCK AUR GM				
	<b>S/N:</b> 300519				
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84	
	<b>NOMEN:</b> AIR SURF ATCK AUR GM				
	<b>S/N:</b> 300519				

**DESCRIPTION:**

60429ZFEB00: NAWC Pt. Mugu reported that sometime back on 15 May 1999, PD84, AGM-84D-1, HARPOON missile S/N 300519 failed BIT while up loaded on an aircraft. No other details provided.

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**PROBLEM NO: 10193**

**(Continued)**

**ACTION TAKEN:**

220329ZFEB00: NAWC Pt. Mugu requested missile S/N 300519 be shipped to AOC Yorktown for further evaluation and test.

03MAR00: NAWC Det, AOC Yorktown, via E-mail Status Report of 03 March 2000, informed NAWC Pt. Mugu that AOC Yorktown is not in receipt defective missile S/N 300519.

03MAY00: NAWC Det Yorktown status report of 03 May 2000, is showing AOC Yorktown is in receipt of defective missile S/N 300519, and currently in storage awaiting maintenance induction.

25OCT01: NAWC Pt. Mugu requested NAWC Det. Yorktown to follow up on the status of defective missile S/N 300519.

30OCT01: NAWC Det. Yorktown informed NAWC Pt. Mugu that AOC Yorktown is not in receipt of missile S/N 300519.

30OCT01: NAWC Pt. Mugu to conduct a follow up on the location and status of missile S/N 300519.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	MONITOR MSL 300519 INDUCTION		CANCELED 25OCT01
		NAWC DET YORKTOWN/323000E	MONITOR MISSILE S/N 300519 RECEIPT		COMPLETE 03MAY00
		NAWC PT MUGU/313100E	MSL 300519 STATUS FOLLOW UP	28JAN02	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU MESSAGE 160429ZFEB00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 220329ZFEB00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL STATUS REPORT 03MAR00	AOC YORKTOWN MSL NOT IN RECEIPT
	NAWC DET YORKTOWN/323000E E-MAIL STATUS REPORT 03MAY00	MSL STATUS
	NAWC PT MUGU/313100E E-MAIL 25OCT01	REQUEST MSL STATUS
	NAWC DET YORKTOWN/323000E E-MAIL 30OCT01	MSL STATUS
	NAWC PT MUGU/313100E E-MAIL 30OCT01	MSL FOLLOWUP

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**HARPOON ACTIVE  
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**PROBLEM NO: 10193**

**(Continued)**

**ACTION : VP-4 CODR R09623-99-0008 17MAY99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085733			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085733			

**DESCRIPTION:**

171700ZMAY99: VP-4 reported that on 13 May 1999 during post load BIT of HARPOON missile S/N 085733 on a P-3 aircraft station 17 a "NO-GO BIT" failure indication was displayed weapons panel. Monitored the BIT for one minute and the "NO-GO" light remained on. All other indications were normal.

**ACTION TAKEN:**

260029Z OCT99: NAWC Pt. Mugu provided disposition instruction for missile S/N 085733.

25AUG00: In review of AWARS/SLITS data, on 28 June 2000, HARPOON missile S/N 085733 was aboard USNS Kilauea (TAE-26) enroute to AOC Yorktown.

03FEB01: Status report of February 2001 shows AOC Yorktown took receipt of missile S/N 085733 in condition code "E" on 18 December 2000.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 085733		COMPLETE 03FEB01
		YORKTOWN/323000E	RECEIPT		
		NAWC DET	MONITOR MSL INDUCTION	04MAY01	OPEN
		YORKTOWN/323000E	STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VP-4 MESSAGE 171700ZMAY99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	260029Z OCT99	
	NAWC PT MUGU/313100E AWARS/SLITS	MSL LOCAL & STATUS
	25AUG00	
	NAWC DET YORKTOWN/323000E STATUS	MSL STATUS
	REPORT 03FEB01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10193**

**(Continued)**

**ACTION : VP-47 CODR R09600-98-0010 22APR98 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 001935			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 107148			

**DESCRIPTION:**

220601ZAPR98: VP-47 reported that on 19 April 1998 that while in the process of shipping AGM-84D-1, S/N 001935 to NAF Diego Garcia missile failed BIT. During BIT station "NO-GO" light remained on until station was deselected. BIT was monitored for one minute. All aircraft and HARPOON weapons system checks were all reflecting "GO" conditions.

**ACTION TAKEN:**

270029ZAPR98: NAWC Pt. Mugu acknowledged receipt of reported deficiency. Requested missile S/N 001935 to be shipped at the earliest opportunity.

01NOV99: NAWC Det Yorktown informed NAWC Pt. Mugu that as of 08 October 1999, missile S/N 001935 was in receipt at AOC Yorktown. Missile remains in condition code "J" pending induction for evaluation, test and repair.

090529ZNOV99: NAWC Pt. Mugu informed VP-47 that AOC Yorktown is in receipt of defective missile S/N 001935 and currently awaiting test and evaluation induction. Deficiency to remain open pending induction and determination of possible cause of failure.

04AUG00: NAWC Det Yorktown status report of 04 August 2000, informs NAWC Pt. Mugu that missile S/N 001935 incoming test could not confirm fleet report failure. However, missile guidance section S/N 107148 was found to be defective. No details provided.

30DEC00: AWARS database show a maintenance data system sheet initiated on 25 July 2000 in reference to missile S/N 001935 induction into the maintenance cycle at AOC Yorktown. The sheet provided the following information. On 25 July 2000 missile failed the following test parameters:

- 5160 - Missile Pre-power Resistance Test
- 14 - Power Converter (Phase B Neut) Voltage
- 16 - Power Converter (Phase C Neut) Voltage
- 18 - Power Converter (Phase A - Phase B) Voltage

In reference to these failure codes, guidance section S/N 107148 was

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10193**

**(Continued)**

removed for section testing. A replacement guide was installed. On missile retest, it failed the following parameters:

- 5160 - Missile Pre-power Resistance Test
- 13 - Power Converter (Phase A Neut) Resistance
- 15 - Power Converter (Phase B Neut) Resistance
- 17 - Power Converter (Phase C Neut) Resistance

On 26 July 2000 missile was disassembled. The air kit was to be held for demilitarization. The previous replacement guide S/N 035069 was removed and another defective guide S/N 065270 (not associated with this deficiency) was installed. According to the maintenance data sheet missile S/N 001935 was being held for demilitarization.

30JAN01: AWARS database is showing a maintenance data sheet commenting that defective guidance section S/N 107148 was installed onto failed HARPOON missile body S/N 300552 on 28 July 2000. Missile body was placed in condition code "E" and returned to storage.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL 001935 AURT		COMPLETE 04AUG00
	NAWC PT MUGU/313100E	MONITOR MSL S/N 001935 RECEIPT		COMPLETE 01NOV99
	NAWC PT MUGU/313100E	FOLLOWUP MSL 001935 MDS SHEET		COMPLETE 30DEC00
	NAWC PT MUGU/313100E	G/S 107148 FOLLOWUP ACTION	16MAY01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VP-47 MESSAGE 220601ZAPR98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 270029ZAPR98	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E AWCAP MONTHLY REPORT 01NOV99	AOC YORKTOWN RECEIPT OF MISSILE
	NAWC PT MUGU/313100E MESSAGE 090529ZNOV99	ADDITIONAL INFORMATION
	NAWC DET YORKTOWN/323000E AWCAP REPORT 04AUG00	MSL BIT FAILURE CND
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC00	AURT DATA
	NAWC PT MUGU/313100E AWARS 30JAN01	GUIDE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10193**

**(Continued)**

**ACTION : VS-33 CODR R09263-98-0006 21JAN98 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-50	1410	01-258-0443	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 065606			
<b>FAILED PART:</b>	1657AS0100-50	1410	01-258-0443	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 065606			

**DESCRIPTION:**

211600ZJAN98: VS-33 reported that PD84, HARPOON air-launch missile S/N GQN-1027 loaded on aircraft station W-6 of an S-3 aircraft, failed inflight BIT. Missile S/N 065606 is asset in question.

**ACTION TAKEN:**

270029ZJAN98: NAWC Pt. Mugu requested VS-33 submit correct missile serial number. Failed missile is to be off loaded at the earliest opportunity for further shipment to NWS Yorktown. NWS Yorktown will conduct an All-up Round test upon receipt of missile.

031600ZJUN98: VS-33 submitted missile S/N 065606 as the correct serial number of failed asset.

040029ZAUG98: NAWC Pt. Mugu acknowledged receipt correct missile serial number. AWCAP database and files corrected accordingly. CAIMS data show missile was off loaded at Weapons Station, Earle NJ in condition code "F" sometime between 3-6 March 1998.

05NOV99: NAWC Pt. Mugu HARPOON SLITS database show missile to be in receipt at AOC Yorktown. Yorktown took receipt on 07 September 1999 under document number N49935-9263-5252. Missile was placed in condition code "E" pending induction. Note, the following is some background information regarding the reported deficiency of missile S/N 065606. No discrepancies were noted during missile up load. After flight all system checks were performed. Aircraft and missile systems checked 4.0. No deficiencies noted. Missile failed again. Unit was up loaded on another aircraft with results. Aircraft loaded with another missile all systems "GO". Airborne BIT performed without incident. Note, VS-33 later informed NAWC Pt. Mugu that missile S/N 065606 is asset in question. Serial number was reported in error. (VS-33 031600ZJUN98 refers).

090829ZNOV99: NAWC Pt. Mugu informed VS-33 that S/N GQN-1027 regarding report missile BIT failure was stated in error. As previously stated, the correct missile that failed was missile S/N 065606. Currently, missile is in receipt at AOC Yorktown. Missile arrived at AOC Yorktown on 13 October 1999 and was placed in storage



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**HARPOON ACTIVE  
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**PROBLEM NO: 10193**

**(Continued)**

pending maintenance induction.

25AUG00: The last AWARS information as of 16 February 2000, is showing missile S/N 065606 still at AOC Yorktown in condition code "E". No other information available.

06JAN01: AWARS SLITS database as of 14 December 2000, missile S/N 065606 still at AOC Yorktown in condition code "E". No other details provided.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		CANCELED 15MAY99
		YORKTOWN/323000E	065606 INSPECTION		
		NAWC DET	MONITOR MSL 065606		CANCELED
		YORKTOWN/323000E	AURT		
		NAWC DET	MONITOR MSL 065606		CANCELED
		YORKTOWN/323000E	INDUCTION		
		NAWC PT MUGU/313100E	CONDUCT FOLLOWUP ON		COMPLETE 05NOV99
			MSL LOCATION		
		NAWC PT MUGU/313100E	MONITOR MSL 065606	07JAN02	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VS-33 MESSAGE 211600ZJAN98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	270029ZJAN98	
	NAWC PT MUGU/313100E MESSAGE	FOLLOW UP RESPONSE
	260129ZMAY98	
	VS-33 MESSAGE 031600ZJUN98	FOLLOW-UP RESPONSE
	NAWC PT MUGU/313100E MESSAGE	FOLLOW UP REQUEST
	300129ZJUN98	
	NAWC PT MUGU/313100E MESSAGE	FOLLOW UP REPORT
	040029ZAUG98	
	NAWC PT MUGU/313100E SLITS DATA 05NOV99	YORKTOWN RECEIPT OF MISSILE
	NAWC PT MUGU/313100E MESSAGE	ADDITIONAL INFORMATION
	090829ZNOV99	
	NAWC PT MUGU/313100E COMMENT 25AUG00	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E AWARS SLITS	MSL STILL AT YORKTOWN
	06JAN01	

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**HARPOON ACTIVE  
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**PROBLEM NO: 11053**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	TARTAR SURF ATCK AUR GM	1657AS0400-26	1410	01-263-2914	PE13
	TARTAR SURF ATCK AUR GM	1657AS0400-28	1410	01-263-2911	PE14
	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14
	TARTAR SURF ATCK AUR GM	642AS0646-30	1410	01-238-6295	PC03
	TARTAR SURF ATCK AUR GM	642AS0646-7	1410	01-181-8548	PC03

**EI CNTRL NO:**

**PROB BRIEF :** BIT FAILURES, TARTAR (HARPOON)

**PROBLEM DESCRIPTION :** TARTAR missile Built-in-Tests (BITs) were being performed in accordance with appropriate Maintenance Requirement Card procedures. BITs are performed during missile on-loads, every six months thereafter, and no more than two weeks prior to missiles being off-load. Missile failure indications are displayed on the Weapon Control Indicator Panel console during testing or at end of test. Failure codes will be "X XX NO-GO" or there will be immediate "NO-GOs". An immediate "NO-GO" identifies a suspected data communication problem between the missile and the HARPOON launcher system. In order to confirm missile failure a HGMS BIT is performed and a successful test will confirm a possible BIT failure. Two out of three BIT failures are required prior to a deficiency report being submitted.

**PREVENTIVE ACTION :** Ensure that missiles and launcher connections are completely and properly mated. Units should be inspected for rust, corrosion and water intrusion. Ensure missile BITs are performed in accordance with steps and procedures outlined in the appropriate Maintenance Requirement Card instructions.

**CORRECTIVE ACTION :** Confirmed failures, review of maintenance actions, and repair practices are analyzed indentifying various trends. Based on these trends and other findings will determine whether corrective action can be and/or will be implemented.

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS MORISON (FFG-13)	CODR	V20966-01-0003	07JUN01	OPEN
	USS SIDES (FFG-14)	CODR	R20967-00-0002	23DEC00	OPEN
	USS THACH (FFG-43)	CODR	R21110-00-0002A	20DEC00	OPEN
	USS UNDERWOOD (FFG-36)	CODR	V21103-00-0001	05OCT00	OPEN
	USS JARRETT (FFG-33)	CODR	R21058-00-0001	23SEP00	OPEN
	USS KAUFFMAN (FFG-59)	CODR	V21390-00-0001	04AUG00	CLOSED *
	USS THACH (FFG-43)	CODR	R21110-00-0002	20JUL00	OPEN

\* ACTION REPORTED IN PREVIOUS PUBLICATION

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**HARPOON ACTIVE  
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**PROBLEM NO: 11053**

**(Continued)**

<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
USS HALL (FFG-32)	CODR	V21057-00-0002	10JUL00	OPEN
USS RENTZ (FFG-46)	CODR	R21198-00-0002	03JUN00	OPEN
USS HALL (FFG-32)	CODR	V21057-99-0001	24APR00	CLOSED *
USS MORISON (FFG-13)	CODR	V20966-00-0001	31MAR00	OPEN
USS GEORGE PHILIP (FFG-12)	CODR	R20965-99-0002A	04MAR00	OPEN
USS ELROD (FFG-55)	EMR	V21236-00-0001	20JAN00	CLOSED *
USS REUBEN JAMES (FFG-57)	CODR	R21351-99-0001	15DEC99	OPEN
USS ELROD (FFG-55)	CODR	V21236-99-0001	20OCT99	REOPENED
USS JARRETT (FFG-33)	CODR	R21058-99-0001	02AUG99	CLOSED *
USS MCCLUSKY (FFG-41)	CODR	R21108-99-0002	23JUL99	CLOSED
USS GROVES (FFG-29)	CODR	V21054-99-0001	08JUL99	OPEN
USS HALL (FFG-32)	CODR	V21057-98-0002	04MAY99	OPEN
USS HALL (FFG-32)	CODR	V21057-98-0003	04MAY99	OPEN
USS CARR (FFG-52)	CODR	V21233-99-0001	22FEB99	CLOSED *
USS KAUFFMAN (FFG-59)	CODR	V21390-98-0001	27AUG98	OPEN
USS MCINERNEY (FFG-8)	EMR	V21032-98-0001	07MAR98	CLOSED *
USS TAYLOR (FFG-50)	CODR	V21231-98-0001	19FEB98	CLOSED *
USS KLAKRING (FFG-42)	CODR	V21109-97-0001	03MAR97	CLOSED *
USS MCINERNEY (FFG-8)	CODR	V21032-96-0004	24SEP96	CLOSED *
USS TAYLOR (FFG-50)	CODR	V21231-95-0002	11DEC95	CLOSED *
USS HALYBURTON (FFG-40)	CODR	V21107-95-0001	27JUN95	CLOSED *
USS BOONE (FFG-28)	CODR	V21053-95-0001	06MAR95	CLOSED *
USS CARR (FFG-52)	CODR	V21233-95-0001	03MAR95	CLOSED *
USS FLATLEY (FFG-21)	CODR	V20974-95-0001	17FEB95	OPEN
USS DAVIS (FFG-60)	CODR	R21391-94-0001A	28DEC94	CLOSED *
USS JACK WILLIAMS (FFG-24)	CODR	V20977-94-0001A	01NOV94	CLOSED *
USS WADSWORTH (FFG-9)	CODR	R21033-94-2000	11AUG94	CLOSED *
USS DAVIS (FFG-60)	CODR	R21391-94-2000	02AUG94	CLOSED *
USS CROMMELIN (FFG-37)	CODR	R21104-94-0002	05JUL94	CLOSED *
USS TISDALE (FFG-27)	CODR	R21052-94-2000	27JUN94	CLOSED *
USS RENTZ (FFG-46)	CODR	R21198-94-0001	21JUN94	CLOSED *
USS MORISON (FFG-13)	CODR	V20966-94-0001	28APR94	CLOSED *
USS JARRETT (FFG-33)	CODR	R21058-94-2000	11FEB94	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

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**PROBLEM NO: 11053**

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SOURCE	TYPE	DOCUMENT NO.	DATE	DR	STATUS
USS JACK WILLIAMS (FFG-24)	EMR	V20977-94-0001	04FEB94	CLOSED	*
USS UNDERWOOD (FFG-36)	CODR	V21103-93-0001	02FEB94	CLOSED	*
USS BOONE (FFG-28)	CODR	V21053-93-0001	28SEP93	CLOSED	*
USS ROBERTS (FFG-58)	EMR	V21352-92-0001	17MAY93	CLOSED	*
USS VANDEGRIFT (FFG-48)	EMR	R21200-92-0003	03DEC92	CLOSED	*
USS WADSWORTH (FFG-9)	CODR	R21033-92-0001	19OCT92	CLOSED	*
USS GROVES (FFG-29)	EMR	V21054-92-0001	25MAR92	CLOSED	*
USS UNDERWOOD (FFG-36)	EMR	V21103-91-0002	14DEC91	CLOSED	*
USS GOLDSBOROUGH (DDG-20)	EMR	R04686-90-0003	03APR90	CLOSED	*
USS GARY (FFG-51)	EMR	R21232-89-0001	21JUL89	CLOSED	*
USS TAYLOR (FFG-50)	EMR	V21231-89-0001	02MAY89	CLOSED	*
USS ANTRIM (FFG-20)	EMR	V20973-89-0001	14MAR89	CLOSED	*
USS VANDEGRIFT (FFG-48)	EMR	R21200-86-0001	11NOV86	CLOSED	*

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : USS MORISON (FFG-13) CODR V20966-01-0003 07JUN01 OPEN**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0400-30	1410	01-263-2912	PE14
<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
<b>S/N:</b> 065668				
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
<b>S/N:</b> 065668				

**DESCRIPTION:**

071700ZJUN01: USS Samuel Eliot Morison (FFG-13) reported that on 05 June 2001, while in port at Naval Station Mayport FL, TARTAR HARPOON missile on load BITs were being preformed. BIT of missile S/N 065668 failed to provide a booster safe indication. With three successful BITs performed on guided missile training round and another tactical HARPOON, it was confirmed that missile S/N 065668 to be cause of reported failure.

**ACTION TAKEN:**

110029ZJUN01: NAWC Pt. Mugu acknowledged receipt of deficiency report regarding BIT failure of HARPOON, PE14, TARTAR missile S/N 065668. Requested Naval Station Mayport to have missile shipped back to AOC Yorktown for further test and repairs.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR MSL S/N	11SEP01 OPEN
		065668 SHIPMENT	

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MORISON (FFG-13) MESSAGE	PROBLEM REPORT
	071700ZJUN01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	110029ZJUN01	

<b>ACTION :</b>	<b>USS SIDES (FFG-14)</b>	<b>CODR</b>	<b>R20967-00-0002</b>	<b>23DEC00 OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L1122			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L1122			

**DESCRIPTION:**

230505ZDEC00: USS Sides reported that while in port at NWS Seal Beach HARPOON missile L1122 failed BIT prior to being off loaded. Rust and corrosion was found during off load visual inspection.

**ACTION TAKEN:**

100129ZJAN01: NAWC Pt. Mugu requested NWS Seal Beach to have missile S/N L1122 shipped to AOC Yorktown for corrosion and rust analysis, test and fin repairs.

09APR01: According to SLITS defective missile S/N L1122 was received at AOC Yorktown on 7 February 2001. Missile remains in condition code "J" status. No details provided.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL S/N L1122	COMPLETE 09APR01
	YORKTOWN/323000E	RECEIPT	

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SIDES (FFG-14) MESSAGE 230505ZDEC00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	100129ZJAN01	
	NAWC PT MUGU/313100E SLITS DATA 09APR01	MSL IN RECEIPT AT YORKTOWN

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

**ACTION : USS THACH (FFG-43) CODR R21110-00-0002A 20DEC00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 085084, 065401			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 085084, 065401			

**DESCRIPTION:**

202214ZDEC00: USS Thach (FFG-43) reports that on 14 December 1999, while in port at NWS Seal Beach, two PE14 TARTAR HARPOON missiles failed during on load operations. According to deficiency report missile S/N 085084 failed a visual booster safe test in accordance with maintenance requirements card 7211/008 R-1. Missile S/N 065401 failed on load BIT with "DPC/MGU COMM, DC/PS, ALT, ARA and SKR NO-GO" fault indication displayed on ship's weapons panel. The guided missile training round passed prior to on load and after on load, verifying missile to be fault. Note; NAWC Det Seal Beach, e-mail dated 18 December 1999, informed NAWC Pt. Mugu that assistance was provided to NWS Seal Beach with the 14 December on load of USS Thach (reported above). However, data provided was in conflict with ship's deficiency report. NAWC Det Seal Beach representative advises that missile S/N 065401 had failed with a "NO MSL-SAFE" fault indication. It was missile S/N 085084 with fail codes as was stated in deficiency report.

**ACTION TAKEN:**

040129ZJAN01: NAWC Pt. Mugu acknowledged receipt of reported missile deficiencies and provided the following: EOD unit at NAWC Pt. Mugu was contacted in reference to missile arm and firing device suspected of being in the armed position. EOD unit completed their inspection of the suspected armed missile and determined missile booster not to be armed. Although, it was reported that the MK 289 Mod 0 arm and firing device was possibly armed (some red on plunger was visible), EOD concluded plunger not protruding. Booster unit in question has a Mod 0 arm and firing device with a reset plunger, that has a red top, which is visible when fully seated. The red coloring on the plunger and older version of arm and firing device, may have caused some confusion in determining position of the arming and firing device. In conclusion, EOD determined missile booster unit unarmed and safe. It was requested that the missile be retested prior to it being reissued. In reference to the conflicting data, it was requested that USS Thach provide clarification of missile serials in reference to missile inspection and failure data be provided. It was requested that the following information be submitted:

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

1. Was missile BIT performed on both missiles?
2. Clarify the "NO MSL-SAFE" fault indication. Was it during BIT?
3. Did pre-missile BIT inspection/testing indicate a "booster armed" fault indication?

NSWC Port Hueneme was to ensure USS Thach to verify proper operations of missile launcher system. NAWC Pt. Mugu requested NWS Seal Beach have both missiles shipped to AOC Yorktown for further evaluation and test. Upon receipt at AOC Yorktown reverse process testing is to be conducted. Arming and firing device to be inspected. Report findings to NAWC Pt. Mugu.

09APR01: According to SLITS information provided, AOC Yorktown took receipt of both TARTAR missiles (S/Ns 085084 and 065401) on 12 February 2001. Missile remained in condition code "J". No other details provided.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL S/N	16APR01	OPEN
	YORKTOWN/323000E	065401 RECEIPT		
	NAWC DET	MONITOR MSL S/N	16APR01	OPEN
	YORKTOWN/323000E	085084 RECEIPT		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS THACH (FFG-43) MESSAGE 202241ZDEC00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 040129ZJAN01	INTERIM RESPONSE
	NAWC PT MUGU/313100E SLITS INFO 09APR01	MSL RECEIPT STATUS

<b>ACTION</b>	<b>: USS UNDERWOOD (FFG-36)</b>	<b>CODR</b>	<b>V21103-00-0001</b>	<b>05OCT00</b>	<b>OPEN</b>
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<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065578			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065578			

**DESCRIPTION:**

052210ZOCT00: USS Underwood (FFG-36) reported that on 12 September 2000, while in port at AOC Yorktown during missile off load, PE14 HARPOON missile S/N 065578 failed missile BIT. External power had been applied for one minute and 30 seconds. The failure was a "SKR NO-GO" fault indication being displayed on ship's weapons panel. Reflective test was not conducted. Details not provided. Missile was turned over to Weapon Station personnel.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

**ACTION TAKEN:**

060029Z OCT00: NAWC Pt. Mugu acknowledged receipt of missile deficiency report in reference to BIT failure of PE14 TARTAR missile S/N 065578.

30 APR01: AWARS inventory record showing defective missile in receipt at AOC Yorktown as 13 April 2001. Missile still in condition code "J" pending maintenance induction.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL 065578		COMPLETE 30 APR01
	YORKTOWN/323000E	RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL 065578	08 DEC01	OPEN
		STATUS		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS UNDERWOOD (FFG-36) MESSAGE 052210Z OCT00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 060029Z OCT00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 30 APR01	MISSILE STATUS

**ACTION : USS JARRETT (FFG-33) CODR R21058-00-0001 23 SEP00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 105125			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 105125			

**DESCRIPTION:**

230215Z SEP00: USS Jarrett (FFG-33) reported that on 14 September 2000 missile preventative maintenance tests were being performed on all HARPOON missiles aboard. During testing of missile S/N 105125, it failed four out of five tests. Missile passed the third test.

**ACTION TAKEN:**

251029Z SEP00: USS Jarrett was requested to provide the following: Total time external power was applied; Time span between BIT initiation and test results; BIT fault indication, and any other pertinent information that would aid in conducting a proper failure analysis. Failed asset to be shipped to AOC Yorktown at the earliest possible opportunity.

01 MAR01: Defective missile S/N 105125 arrived at AOC Yorktown on 12 February 2001. Missile remains in condition code "J" and awaiting maintenance induction.



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL 105125 RECEIPT		COMPLETE 01MAR01
	NAWC PT MUGU/313100E	MONITOR MSL 105125 INDUCTION	04JUN01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS JARRETT (FFG-33) MESSAGE 230215ZSEP00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 251029ZSEP00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E AWCAP STATUS REPORT 01MAR01	MISSILE RECEIPT STATUS

<b>ACTION SUMMARY</b>	<b>: USS THACH (FFG-43)</b>	<b>CODR</b>	<b>R21110-00-0002</b>	<b>20JUL00</b>	<b>OPEN</b>
	<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0400-30	1410	01-263-2912	PE14
		<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
		<b>S/N:</b> 085744			
	<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
		<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
		<b>S/N:</b> 085744			

**DESCRIPTION:**

202251ZJUL00: On 27 June 2000 during post weapons onload inspection and test, USS Thach (FFG-43) reported that HARPOON PE14 TARTAR missile S/N 085744 failed BIT. The HARPOON was labeled as an RGM-84D, but the BIT identified missile as an RGM-84A. This caused missile to be rejected and returned to NSF Seal Beach.

**ACTION TAKEN:**

250129ZJUL00: NAWC Pt. Mugu informed USS Thach (FFG-43) of missile deficiency report and will take for action. WSF Seal Beach was requested to have missile shipped to AOC Yorktown for further test and repairs.

01FEB01: Defective missile S/N 085744 arrived at AOC Yorktown on 06 September 2000 in condition code "J". No details provided.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	PROVIDE MSL 085744 RECEIPT		COMPLETE 01FEB01
	NAWC DET YORKTOWN/323000E	MONITOR MSL 085744 INDUCTION	01JUL01	OPEN

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS THACH (FFG-43) MESSAGE 202251ZJUL00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 250129ZJUL00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 01FEB01	MISSILE RECEIPT

**ACTION : USS HALL (FFG-32) CODR V21057-00-0002 10JUL00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065700			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065700			

**DESCRIPTION:**

101946ZJUL00: USS John L Hall (FFG-32) reported that on 06 June 2000, HARPOON TARTAR Guided Missile, PE14, S/N 065700 failed three BITs while on board ship and underway. Upon failing BIT an "ARA NO-GO" fault code was displayed on ship's weapons panel. Total time external power applied to missile was 72 seconds. Total time from each BIT initiation to "NO-GO" status was 18 seconds. Missile passed BIT using the Guided Missile Test Round. Environmental condition were as follows: temperature 78 degrees, sea state 2-3 feet, barometric pressure 29.84 and no precipitation.

**ACTION TAKEN:**

110229ZJUL00: NAWC Pt Mugu informed USS John L Hall to have faulty missile S/N 065700 off loaded for further transport to AOC Yorktown at the most opportune time. Prior to shipment have missile placed in condition code "J". Yorktown upon receipt of defective missile have it inducted for further test and evaluation at the earliest possible opportunity.

09APR01: According to SLITS information regarding PE14 HARPOON TARTAR missile S/N 065700, AOC Yorktown took receipt on 16 October 2000. Missile remains in condition code "J" and awaiting to be inducted into maintenance.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL S/N		COMPLETE 09APR01
	YORKTOWN/323000E	065700 RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL 065700	23SEP01	OPEN
		INDUCTION		

HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

(Continued)

ACTION : USS RENTZ (FFG-46) CODR R21198-00-0002 03JUN00 OPEN

**DESCRIPTION:**

031436ZJUN00: USS Rentz (FFG-46) reported that on 01 June 2000, HARPOON missile BITs were being conducted in accordance with Maintenance Requirements Card R-4S (Missile BIT Procedures). Testing of PE14, RGM-84D-2, HARPOON TARTAR missile S/N L0296 resulted in missile failing with a "SKR NO-GO" fault indication displayed on ship's weapons panel. Total time power applied to missile was five minutes and 14 seconds. From missile BIT initiation and completion of BIT was 18 seconds. Four BITs were performed with some results. Missile to be off loaded at Seal Beach on or about 22 August 2000.

**ACTION TAKEN:**

101029ZJUL00: NAWC Pt. Mugu concurred with missile S/N L0296 being off loaded on 22 August 2000 NSF Seal Beach. It was requested that missile be placed in condition code "J". Upon off load of missile it is to be shipped to AOC Yorktown as soon as possible. AOC Yorktown upon receipt is to have missile inducted at the earliest possible opportunity and conduct failure assessment to determine cause of fleet failure.

01FEB01: Defective missile S/N L0296 was received at AOC Yorktown in condition code "J" on 21 September 2000.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC DET	MONITOR MSL L0296		COMPLETE 01FEB01
		YORKTOWN/323000E	RECEIPT		
		NAWC DET	MONITOR MSL L0296	01JUL01	OPEN
		YORKTOWN/323000E	INDUCTION		

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS RENTZ (FFG-46) MESSAGE 031436ZJUN00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 101029ZJUL00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 01FEB01	MSL RECEIPT STATUS

**ACTION : USS MORISON (FFG-13) CODR V20966-00-0001 31MAR00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 300869			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 300869			

**DESCRIPTION:**

312200ZMAR00: USS Samuel Eliot Morison (FFG-13) reported that on 31 March 2000, during ammunition on-load, HARPOON PE14 TARTAR missile, RGM-84D-2, S/N 300869 failed missile BIT. Missile was rejected and returned to Naval Station Mayport.

**ACTION TAKEN:**

040029ZAPR00: NAWC Pt. Mugu informed USS Samuel E Morison (FFG-13) that missile deficiency report was in receipt. Naval Station Mayport was requested that defective BIT failed missile S/N 300869 remain in condition code "J" and to have it shipped at the earliest possible opportunity to AOC Yorktown for further test and failure assessment.

25AUG00: In reference to faulty missile S/N 300869, AWARS/SLITS data show missile in receipt at AOC Yorktown on 11 April 2000. Missile remains in condition code "J". No other details provided.

10OCT01: Defective missile S/N 300869, as of 13 April 2001, still in receipt at AOC Yorktown in condition code "J".

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL 300869		CANCELED
	NAWC DET YORKTOWN/323000E	INDUCTION		
	NAWC DET YORKTOWN/323000E	MONITOR MSL S/N 300869 RECEIPT		COMPLETE 25AUG00
	NAWC PT MUGU/313100E	MONITOR MSL 300869 STATUS	08JAN02	OPEN

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MORISON (FFG-13) MESSAGE 312200ZMAR00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 040029ZAPR00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS DATA 25AUG00	MSL LOCATION & TEST STATUS
	NAWC PT MUGU/313100E AWARS SLITS 10OCT01	MSL STATUS

**ACTION : USS GEORGE PHILIP CODR R20965-99-0002A 04MAR00 OPEN  
(FFG-12)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 300308			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 300308			

**DESCRIPTION:**

040123ZMAR00: USS George Philip (FFG-12) reported that during off-load inspect of RGM-84D-4, HARPOON TARTAR PE14 missile S/N 300308 failed off-load BIT.

**ACTION TAKEN:**

040329ZAPR00: NAWC Pt. Mugu informed NWS Seal Beach to ensure missile S/N 300308 remains in condition code "J". Missile to be shipped to AOC Yorktown for further test and evaluation.

25AUG00: Missile S/N 300308 still in receipt at NWS Seal Beach. NAWC Pt. Mugu to notify Seal Beach to have missile returned to AOC Yorktown as soon as possible.

10OCT01: AOC Yorktown took receipt of defective missile S/N 300308 on 05 September 2000. As of 13 April 2001, missile remains in condition code "J" at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MISSILE S/N		COMPLETE 10OCT01
	YORKTOWN/323000E	300308 RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL 300308	08JAN02	OPEN
		STATUS		

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS GEORGE PHILIP (FFG-12) MESSAGE 040123ZMAR00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 040329ZAPR00	INTERIM RESPONSE
	NAWC PT MUGU/313100E COMMENT 25AUG00	MSL STATUS
	NAWC PT MUGU/313100E AWAR SLITS 10OCT01	MSL STATUS

**ACTION : USS REUBEN JAMES      CODR      R21351-99-0001      15DEC99 OPEN  
(FFG-57)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L0418			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L0418			

**DESCRIPTION:**

152025ZDEC99: On 08 December 1999, while aboard USS Reuben James (FFG-57), HARPOON TARTAR PE14 missile S/N L0418 failed routine maintenance BIT. During BIT missile failed to ID. Missile failed three out of three BITs with same results. Ordnance crew suspect faulty missile ID circuit.

**ACTION TAKEN:**

170429ZDEC99: NAWC Pt. Mugu concurred with missile off-load date of 28 February 2000 at NAVMAG Lualualei and for missile to be transferred on to AOC Yorktown. NAVMAG was requested to notify NAWC Pt. Mugu of date missile was received and date missile will be ship on to Yorktown.

29FEB00: AWARS SLITS data as of 29 February 2000, is showing missile enroute to AOC Yorktown.

30NOV00: AWARS SLITS information showing missile S/N L0418 was received at AOC Yorktown on 17 October 2000.

26JUN01: AWARS SLITS information showing missile S/N L0418 still in condition code "J" at AOC Yorktown and in storage..

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL L0418		COMPLETE 30NOV00
	YORKTOWN/323000E	RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL L0418		COMPLETE 22MAY00
		RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL L0418	24SEP01	OPEN
		INDUCTION STATUS		

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS REUBEN JAMES (FFG-57) MESSAGE 152025ZDEC99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170429ZDEC99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS SLITS DATA 29FEB00	MSL ENROUTE TO YORKTOWN
	NAWC PT MUGU/313100E AWARS SLITS 30NOV00	MSL STATUS
	NAWC PT MUGU/313100E AWARS SLITS 26JUN01	MSL STATUS

**ACTION : USS ELROD (FFG-55) CODR V21236-99-0001 20OCT99 REOPENED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 300058			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 300058			

**DESCRIPTION:**

200906ZOCT99: USS Elrod (FFG-55) reported that on 02 October 1999 while performing routine maintenance on HARPOON, RGM-84D-2, PE14, TARTAR missile S/N 300058, it failed missile BIT. BIT performed in accordance Maintenance Requirement Card 4821/01A-69 R-4S. Failure indication displayed on the HARPOON weapons control indicator panel was "DPC/MGU NO-GO". Ship's force recommends that maintenance due dates be reestablished. Is being stated that periodic depot level maintenance could possibly prevent most of the deployed missile BIT failures. The missile system test was at AOC Yorktown on 26 April 1994.

**ACTION TAKEN:**

1900029ZJAN00: NAWC Pt. Mugu requested FFG-55 to provide NAWC Pt. Mugu with various other data as stated in the BIT procedures maintenance card in reference to reported failure of missile S/N 300058. AOC Yorktown was requested to include reverse process testing prior to all other tests being preformed in order to determine cause of reported BIT failure.

110029ZAPR00: NAWC Pt. Mugu informed USS Elrod that missile still at AOC Yorktown in condition code "J" status. It had not been inducted to date for test.

30APR01: AWARS SLITS information showing that as of 13 April 2001, missile remains in storage at AOC Yorktown in condition code "J". No other details available.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MISSILE S/N 300058		COMPLETE 11APR00
		YORKTOWN/323000E	RECEIPT STATUS		
		NAWC PT MUGU/313100E	MONITOR MSL 300058	24SEP01	OPEN
			TEST STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ELROD (FFG-55) MESSAGE 200906ZOCT99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 190029ZJAN00	INTERIM RESPONSE
	NAWC PT MUGU/313100E MESSAGE 110029ZAPR00	MSL INCOMING TEST STATUS
	NAWC PT MUGU/313100E AWARS SLITS 30APR01	MSL STATUS

<b>ACTION :</b>	<b>USS MCCLUSKY</b>	<b>CODR</b>	<b>R21108-99-0002</b>	<b>23JUL99</b>	<b>CLOSED</b>
	<b>(FFG-41)</b>				

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 085536			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097173			

**DESCRIPTION:**

231655ZJUL99: USS McClusky (FFG-41) while at WSF Seal Beach pier side, reported that on 10 June 1999, prior to off load of HARPOON missiles, BIT was performed in accordance with Maintenance Requirement Card procedures. To test weapons system, HARPOON guided missile training round was tested with satisfactory results. During the performance of BIT on HARPOON, PE14, RGM-82D-2 missile S/N 085536 failed with an instantaneous "NO-GO" fault indication. Missile failed three instantaneous BIT "NO-GOs". Missile placed in condition code "J". Missile off load continued.

**ACTION TAKEN:**

280029ZJUL99: NAWC Pt. Mugu requested WSF Seal Beach to have missile S/N 085536 shipped to AOC Yorktown at the earliest opportunity for further test in order to confirm reported BIT failure.

25JUL00: AWARS database maintenance system data sheet regarding fleet returned missile S/N 085536 was on 08 December 1999. Missile incoming visual inspection was performed. Log book shown entry stated that missile failed BIT while in the fleet. During all-up-round test, missile failed module number 5335 (Receiver Sensitivity, Sensitivity Time Control, Search Pattern and False



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**HARPOON ACTIVE  
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**PROBLEM NO: 11053**

**(Continued)**

Alarm). No test measurements were identified. Defective guidance section S/N 097173 was replaced with S/N GQN-0831. Defective guide was assembled on faulty all-up-round S/N 300036, which was assembled from failed components. Unit being held pending NAVAIR DEMIL instructions. Missile S/N 085536 with replacement guidance installed passed on retest. No problems noted. On 14 December 1999, removed booster section was reinstalled. After a missile pyro interface circuitry test was performed, and no noted failures, missile was returned to ready-for-issue status.

30DEC00: NAWC Pt. Mugu advises that in reference to defective guidance section S/N 097173 being scheduled for demilitarization per NAVAIR instruction, this cancels all assigned action assignments. No further action required. This action closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE STATUS OF G/S		COMPLETE 25JUL00
		YORKTOWN/323000E	097173		
		NAWC DET	MONITOR MSL 085536		COMPLETE 30JUL00
		YORKTOWN/323000E	AURT		
		NAWC PT MUGU/313100E	MONITOR DEMIL/CLOSURE		COMPLETE 30DEC00

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS MCCLUSKY (FFG-41) MESSAGE	PROBLEM REPORT
		231655ZJUL99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		280029ZJUL99	
		NAWC PT MUGU/313100E AWARS DATABASE	MSL AURT RESULTS
		25JUL00	
		NAWC PT MUGU/313100E COMMENT 30DEC00	CODR CLOSURE

<b>ACTION</b>	<b>:</b>	<b>USS GROVES (FFG-29)</b>	<b>CODR</b>	<b>V21054-99-0001</b>	<b>08JUL99</b>	<b>OPEN</b>
		<b>PART/DOC. NO.</b>		<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0400-30		1410	01-263-2912	PE14
		<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
		<b>S/N:</b> L1114				
<b>FAILED PART:</b>		1657AS0400-30		1410	01-263-2912	PE14
		<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
		<b>S/N:</b> L1114				

**DESCRIPTION:**

081455ZJUL99: USS Stephen W. Groves (FFG-29) report that on 3 July 1999 while performing routine HARPOON BIT on PE14, TARTAR missile S/N L1114, it failed two BITs, both resulting in "NO-GO" fault indications. Missile placed in unserviceable condition. Missile currently scheduled for off load upon completion deployment sometime in February 2000.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

**ACTION TAKEN:**

140429ZJUL99: NAWC Pt. Mugu concurred with February 2000 scheduled off load of missile S/N L1114.

15MAR00: CAIMS/SLITS database confirmed that missile S/N L1114 was in receipt at AOC Yorktown. Missile was shipped under Document number N49935-0003-5250 and Yorktown took receipt on 28 January 2000. Missile remains in condition code "E".

08JUN00: As of this date fleet returned missile S/N L1114 remains in storage at AOC Yorktown awaiting maintenance induction in order to confirm or not to confirm reported missile BIT failure.

26JUN01: AWARS SLITS information still showing defective fleet returned BIT failed PE14, missile S/N L1114 at AOC Yorktown and still in condition code "J". No other details provided.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL L1114		COMPLETE 15MAR00
	YORKTOWN/323000E	RECEIPT		
	NAWC DET	MONITOR MSL S/N L1114		COMPLETE 26JUN01
	YORKTOWN/323000E	STATUS		
	NAWC PT MUGU/313100E	UPDATE MSL L1114	24SEP01	OPEN
		STATUS		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS GROVES (FFG-29) MESSAGE	PROBLEM REPORT
	081455ZJUL99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	140429ZJUL99	
	NAWC PT MUGU/313100E CAIMS/SLITS	YORKTOWN MSL RECEIPT
	DATABASE 15MAR00	
	NAWC PT MUGU/313100E AWCAP STATUS	AURT STATUS
	REPORT 08JUN00	
	NAWC PT MUGU/313100E AWARS SLITS	MSL LOCATION STATUS
	26JUN01	

<b>ACTION</b>	<b>: USS HALL (FFG-32)</b>	<b>CODR</b>	<b>V21057-98-0002</b>	<b>04MAY99</b>	<b>OPEN</b>
		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0400-30	1410	01-263-2912	PE14
		<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
		<b>S/N:</b> 300769			
<b>FAILED PART:</b>		1657AS0505-5	1420	01-269-6469	
		<b>NOMEN:</b> GUIDANCE SECTION, GM			
		<b>S/N:</b> 045108			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

**DESCRIPTION:**

040127ZMAY99: USS John L Hall (FFG-32) reported that on 26 October 1998 during ammunition off load HARPOON missile PE14, S/N 300769 failed BIT. BIT was performed in accordance with Maintenance Requirement Card 4821-01A R-4S.

**ACTION TAKEN:**

050029ZMAY99: NAWC Pt. Mugu informed USS John L Hall (FFG-32) that missile S/N 300769 will be inducted at AOC Yorktown at the earliest possible opportunity.

30MAY99: A telephone conversation between NAWC Det Yorktown advised Pt. Mugu that the status report of 9 April 1999 show information that missile S/N 300769 was inducted for processing on 06 April 1999. Reported BIT failure was not confirmed.

24JUN99: Upon the review of AWARS maintenance data system sheet for failed missile S/N 300769, it can be concluded the missile incoming test was performed on 6 January 1999. Results of tests were as follows:

- 5100 - Missile Continuity Part 1
- 5320 - Transmitter Characteristics
- 5335 - Receiver SENS, STC., Search Pattern and False Alarm
- 5340 - Direction Finding
- 5345 - Range Rate/Status Angle and Angle Line-of-sight Rate
- 5375 - Mode 2

Based on fail codes missile guidance section S/N 045108 was removed as suspected cause of failure. Because the missile failing these codes, BIT failure could-not-be-duplicated.

01JAN00: Review of HARPOON AWARS database has not revealed a maintenance data system data sheet in reference to the section-level-testing of faulty guidance section 045108. Guide failed during all-round-test of missile S/N 300769. See above 24 June 1999 entry. Deficiency report to remain open pending receipt of section-level-test results.

22MAY00: AWARS SLITS data as of 22 May 2000, is still showing defective guidance section S/N 045108 at AOC Yorktown and remains in condition code "F". Unit awaiting to be inducted.

02JAN01: According to CAIMS section data defective guidance section S/N 045108 remains in condition code "F" and is still in storage at AOC Yorktown. No other information provided.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
		NAWC DET	UPDATE GUIDE 045108	COMPLETE 02JAN01
		YORKTOWN/323000E	TEST STATUS	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR MSL S/N		COMPLETE 24JUN99
			300769 AURT RESULTS		
		NAWC PT MUGU/313100E	MONITOR GUIDE 054108	24SEP01	OPEN
			TEST STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP G/S 045108		CANCELED
			DEPOT RECEIPT		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS HALL (FFG-32) MESSAGE 040127ZMAY99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 050029ZMAY99	INTERIM RESPONSE
		NAWC PT MUGU/313100E PHONCON 30MAY99	MSL RECEIVED AT YORKTOWN
		NAWC PT MUGU/313100E AWARS 24JUN99	MSL AURT RESULTS
		NAWC PT MUGU/313100E AWARS 01JAN00	SECTION-LEVEL-TEST STATUS
		NAWC PT MUGU/313100E AWARS SLITS 22MAY00	CURRENT GUIDE STATUS
		NAWC PT MUGU/313100E AWARS SLITS 02JAN01	GUIDE STATUS

<b>ACTION</b>	<b>:</b>	<b>USS HALL (FFG-32)</b>	<b>CODR</b>	<b>V21057-98-0003</b>	<b>04MAY99</b>	<b>OPEN</b>
			<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>		1657AS0400-30	1410	01-263-2912	PE14
			<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
			<b>S/N:</b> 002303			
<b>FAILED PART:</b>			1657AS0505-5	1420	01-269-6469	
			<b>NOMEN:</b> GUIDANCE SECTION, GM			
			<b>S/N:</b> 087399			

**DESCRIPTION:**

040124ZMAY99: USS John L Hall (FFG-32) reported that on 26 October 1998, RGM-84D-2, PE14, HARPOON Guided Missile S/N 002303 failed missile BIT during performance of Maintenance Requirement Card R-4S routine maintenance prior to missile off-load.

**ACTION TAKEN:**

050029ZMAY99: NAWC Pt. Mugu informed USS John Hall the HARPOON missile S/N 002303 will be inducted and processed at the earliest possible opportunity.

080225ZMAY99: USS John L Hall informed NAWC Pt. Mugu that this missile had failed during on load at NS Pascagoula MS. Missile arrived earlier than requested. The truck transferred the missile to station weapons. During on load the missile noted to fail BIT. NS Pascagoula could not maintain missile any longer. A decision was made to keep missile aboard in condition code "F".

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

24JUN99: Upon reviewing AWARS database the maintenance data system sheet for the all-up-round test of failed missile S/M 002303. On 08 December 1998 missile failed the following Missile Subsystem Test Set incoming test parameters:  
5100 - Missile Continuity Part 1  
5210 - Missile Power-Up  
5335 - Receiver SENS, STC., Search Pattern and False Alarm  
Failing the parameters indicated missile guidance section S/N 087399 to be faulty. Faulty guidance section removed and replacement was installed. Section was hold over pending section-level-testing.

01JAN00: Review of HARPOON AWARS database has not revealed a maintenance data system data sheet in reference to the section-level-testing of faulty guidance section 087399. Guide failed during all-round-test of missile S/N 002303. See above 24 June 1999 entry. Deficiency report to remain open pending receipt of section-level-test results.

02JAN01: According to CAIMS data defective guidance section S/N 087399 remains in storage at AOC Yorktown in condition code "F". No maintenance data available.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	PROVIDE G/S 087399		CANCELED 02JAN01
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	MONITOR MSL S/N 002303 AURT		COMPLETE 24JUN99
		NAWC PT MUGU/313100E	MONITOR G/S 087399 DOP STATUS		COMPLETE 01JAN00
		NAWC PT MUGU/313100E	G/S 087399 STATUS FOLLOWUP	03APR01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS HALL (FFG-32) MESSAGE 040124ZMAY99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 050029ZMAY99	INTERIM RESPONSE
	USS HALL (FFG-32) MESSAGE 080225ZMAY99	ADDITIONAL INFORMATION
	NAWC PT MUGU/313100E AWARS 24JUN99	MSL AURT RESULTS
	NAWC PT MUGU/313100E MANAGERS NOTE 01JAN00	SECTION-LEVEL-TEST STATUS
	NAWC PT MUGU/313100E CAIMS/SLITS 02JAN01	DEFECTIVE GUIDE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

**ACTION : USS KAUFFMAN CODR V21390-98-0001 27AUG98 OPEN  
(FFG-59)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 085048			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 085048			

**DESCRIPTION:**

271213ZAUG98: USS Kauffman (FFG-59) reported that on 25 August 1998 missile crew was performing routine preventive maintenance check of HARPOON missiles aboard in accordance with Maintenance Requirement Card 4821 R-4S (HARPOON BIT procedures). Prior to BITs being performed, weapons system check was conducted using the guided missile training round unit. Guided missile training round tests provided "GO" indications. PE14, RGM-84D-2 HARPOON missile S/N -085048 failed "SKR NO-GO" BITs. First loaded missile in position one on rail. Conducted three separate BITs and all three resulted in "SKR NO-GOs. All other HARPOONS passed with "GO" indications displayed on weapons panel. Missile S/N 085048 was reloaded on rail and failed two additional BITs with same fault indications. Off-load scheduled for 6 - 8 October 1998 time frame at NWS Yorktown.

**ACTION TAKEN:**

090129ZFEB99: NAWC Pt. Mugu acknowledged receipt of deficiency.

09APR99: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 085048 reported BIT failure was confirmed. Missile was processed on 12 January 1999. Missile guidance section S/N 107001 found to be defective. No further information provided.

30OCT99: In reviewing HARPOON AWARS database, a maintenance data system data sheet for fleet returned BIT missile S/N 085048 was initiated on 11 January 1999. A log book entry confirmed this missile had failed BIT while aboard USS Kauffman (FFG-59). Missile incoming test was performed on 12 January 1999. Missile failed the below test parameters:

5210 - Missile Power-Up

- 17 - Seeker BIT (Radiate) - PCode 2017

Failure and PCode stated above identified guidance section S/N 107001 as being faulty. Faulty guide was removed on 25 January. A replacement guide was installed and missile S/N 085048 was returned to ready-for-issue status on 01 February 1999.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu that at as of 7

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

June 2000, defective guide S/N 107001 is still in receipt at AOC Yorktown in condition code "F".

26SEP00: HARPOON AWARS CAIMS database as of 26 September 2000, defective guidance section S/N 107001 still in receipt at AOC Yorktown in condition code "F".

02JAN01: HARPOON AWARS CAIMS database as of 02 January 2001, defective guidance section S/N 107001 still in receipt at AOC Yorktown in condition code "F".

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR G/S 107001 SLT		CANCELED 02JAN01
	NAWC DET YORKTOWN/323000E	MONITOR MSL 085048 INCOMING TEST		COMPLETE 09APR99
	NAWC PT MUGU/313100E	FOLLOWUP MSL 085048 AURT INFO		COMPLETE 30OCT99
	NAWC PT MUGU/313100E	G/S 107001 STATUS FOLLOWUP	01JUL01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS KAUFFMAN (FFG-59) MESSAGE 271213ZAUG98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 090129ZFEB99	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 09APR99	MSL BIT FAILURE CNFRMD
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT99	MSL AURT RESULTS
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 26SEP00	GUIDE STATUS
	NAWC PT MUGU/313100E CAIMS DATA 02JAN01	GUIDE STATUS

**ACTION : USS FLATLEY (FFG-21) CODR V20974-95-0001 17FEB95 OPEN**

<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0400-26	1410	01-263-2914	PE13
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 001648			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 035252			

**DESCRIPTION:**

172240ZFEB95: During a routine underway missile preventive maintenance inspection aboard USS Flatly (FFG-21), RGM-84D-2, PE13,

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

HARPOON missile S/N 001648 failed BIT two consecutive times. In each case an immediate "NO-GO" BIT failure indications was displayed on the Weapon Control Indicator Panel. Failure indicates a possible missile data communication problem. BIT was also performed using the Guided Missile Training Round with satisfactory results. The missile failed two additional BITs with the same indication.

**ACTION TAKEN:**

220029ZMAR95: NAWC Pt. Mugu has reviewed the reported deficiency and recommended that missile S/N 001648 be shipped to NWS Yorktown at the earliest possible opportunity for further test and evaluation.

18JUL95: The NAWC Pt. Mugu CAIMS/SLITS database indicated that as of 14 February 1995, the failed RGM-84D-2 missile remained aboard USS Flatley in Condition Code "J".

16OCT96: CAIMS/SLITS database, to date, still in Condition Code "F" on board USS Flatley consigned for off-load under shipping document number V20974-5048-A365 at NWS Charleston.

06DEC96: As discussed in a telephone conversation between Sverdrup NAWCWPNS Group and NWS Charleston, Weapons Department, it was advised that PE13, missile S/N 001648 was off loaded on 07 December 1995, in Condition Code "F", consigned for NWS Yorktown under shipping document number V20974-5341-8039. Missile still remains at Charleston.

17JUL97: CAIMS database advises that on 17 July 1997 NWS Yorktown took receipt of missile S/N 001648 under Document Number V20974-5341-8039 in condition code "J."

30DEC97: HARPOON AWARS database maintenance data sheet initiated 24 November 1997 provided the following information regarding maintenance actions of missile S/N 001648: 24 November 1997 - Missile passed incoming visual no problems noted. 25 November 1997 - Missile failed the following incoming test parameters:

5210 - Missile Power Up

9810 - Unit Under Test Power Down

Test results indicates missile guidance section S/N 035252 to be suspected cause of failure. Section was removed for further shipment depot. Maintenance data system show that on 01 December 1997 G/S S/N 025220 was installed. Harpoon Missile Body S/N 001648 passed on retest. On 3 December 1997 Harpoon Missile Body S/N 001648 being built up into an RGM-84D-2 TARTAR missile, it passed a continuity and was returned to ready-for-issue, condition code "A" status.

05OCT98: NAWC Det Yorktown status report of 05 October 1998, it was advised that missile G/S S/N 035252 had failed missile



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11053**

**(Continued)**

Subsystem Test Set all up round incoming test on 25 November 1997.  
Same parameters as stated above.

30DEC99: Review of AWARS database continue to show defective guide  
to be located at AOC Yorktown and remains in condition code "F".

22MAY00: CAIMS/SLITS database inventory advises that failed missile  
guide S/N 035252 remains in storage at AOC Yorktown.

07JUN00: NAWC Det Yorktown e-mail report of 07 June 2000, concurred  
with CAIMS data stating guide S/N 035252 in storage at AOC Yorktown  
and still in condition code "F".

12JAN01: NAWC Pt. Mugu SLITS information still showing defective  
guidance section S/N 035252 to be at AOC Yorktown in condition code  
"F". No details provided.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE G/S 035251	12APR01	OPEN
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	MONITOR G/S 035252		COMPLETE 05OCT98
			STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP G/S 035252		COMPLETE 30DEC99
			DEPOT RECEIPT		
		NAWC PT MUGU/313100E	GUIDE S/N 035252		COMPLETE 01JAN01
			STATUS		
		NWS YORKTOWN/305	PROVIDE MISSILE		COMPLETE 03DEC97
			001648 RECEIPT DATE		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS FLATLEY (FFG-21) MESSAGE	PROBLEM REPORT
	172240ZFEB95	
	NAWC PT MUGU/311000E MESSAGE	INTERIM RESPONSE
	220029ZMAR95	
	NAWC PT MUGU/313000E CAIMS/SLITS	MSL LOCATION AND CONDITION
	DATABASE 18JUL95	CODE STATUS
	NAWC PT MUGU/313100E CAIMS/SLITS	MSL LOCATION AND CONDITION
	DATABASE 16OCT96	CODE STATUS
	NWS CHARLESTON PHONCON 06DEC96	MSL DISPOSITION STATUS
	NAWC PT MUGU/313100E CAIMS REPORT	YORKTOWN TOOK RECEIPT OF
	17JUL97	MISSILE
	NAWC PT MUGU/313100E AWARS DATABASE	NWS YORKTOWN AURT RESULTS
	30DEC97	
	NAWC DET YORKTOWN/323000E MONTHLY	GUIDE FAILURE INFO
	STATUS 05OCT98	
	NAWC PT MUGU/313100E AWARS DATABASE	GUIDE STATUS
	30DEC99	
	NAWC PT MUGU CAIMS/SLIT REPORT 22MAY00	GUIDE LOCAL STATUS

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 11053

(Continued)

REFERENCES : IDENTIFICATION

NAWC DET YORKTOWN/323000E E-MAIL  
REPORT 07JUN00  
NAWC PT MUGU/313100E AWARS SLITS  
12JAN01

REFERENCE BRIEF

GUIDE LOCAL STAUS  
GUIDE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11770**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR SURF ATCK AUR GM	1657AS0100-52	1410	01-255-6341	PD84
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-28	1410	01-263-2929	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-38	1410	01-263-2932	PE24
	CANISTER TW SURF ATCK AUR GM	1657AS0303-38	1410	01-264-5578	PE31
	CANISTER LTWT SURF ATCK AUR GM	1657AS0305-26	1410	01-263-2921	PE21
	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14
	MISSILE BODY, TACTICAL	1657AS0500-52	1410	01-260-5336	3W99
	CANISTER LTWT SURF ATCK AUR GM	642AS1270-28	1410	01-235-7045	PC84
	CANISTER LTWT SURF ATCK AUR GM	642AS1270-30	1410	01-235-7044	PC84

**EI CNTRL NO:**

**PROB BRIEF :** MISSILE FUEL LEAKAGE

**PROBLEM :** JP-10 fuel (identified by blue dye) has been found to be leaking  
**DESCRIPTION** from certain missile Sustainer Sections (S/S).

Note (1): S/Ss identified by part number which incorporate the three-piece fuel tank assembly (P/N 642AS0143-7) are as follows -

1657AS0510-8	1657AS0518
1657AS0510-9	1657AS0521
1657AS0510-11	

Those sustainers which incorporate the one-piece fuel tank (P/N 642AS1984-1) are the following -

1657AS0527-1	1943AS6000-1
1765AS6000-1	1943AS6000-2
1765AS6000-2	

Note (2): Serial numbers of S/Ss with the three-piece fuel tanks are those with serial numbers below 090360 and the GQN-XXXX series. Those sustainers with the one-piece tank have serial numbers 090360 and up.

**PREVENTIVE :** None provided. Any S/S with a three-piece fuel tank assembly which  
**ACTION** cannot be repaired per PS-11017 (see Problem Corrective Action below) is replaced by a S/S which incorporates a one-piece fuel tank.

**CORRECTIVE :** Depot repair of the three-piece fuel tank (P/N 642AS0143-7) in the  
**ACTION** S/S is accomplished in accordance with McDonnell Douglas Process Specification PS-11017, dated 01 March 1973, with REV C of 01 October 1986. The process specification requires cleaning of the

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 11770**

**(Continued)**

leaking tank channel, and new sealing compound (MIL-S-8802) is to be faired into the mold line of the tank sections.

**REFERENCES : IDENTIFICATION**

MDMSC PROCESS SPEC. #11017 01MAR73

**REFERENCE BRIEF**

LEAKING FUEL TANK REPAIR  
PROCEDURES

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VS-30	CODR	V09226-00-0011	28OCT00	OPEN
	VP-94	EMR/EIR	V09148-97-0011	07OCT97	CLOSED *
	USS RENTZ (FFG-46)	CODR	R21198-97-0003	11APR97	OPEN
	USS LAKE ERIE (CG-70)	CODR	R21827-97-0001	30JAN97	OPEN
	USS SCOTT (DDG-995)	CODR	V21438-96-0001	12JAN96	CLOSED *
	USS MCCAIN (DDG-56)	CODR	R21686-95-0001	16NOV95	OPEN
	USS JOHN RODGERS (DD-983)	CODR	V20615-95-0001	06OCT95	OPEN
	USS HUE CITY (CG-66)	EMR	V21656-95-0001	23FEB95	CLOSED *
	NAVSEACENPAC	CODR	N65913-94-0001A	07JUN94	CLOSED *
	NWS YORKTOWN	PQDR II	N00109-94-3005	24JAN94	CLOSED *
	USS PRINCETON (CG-59)	CODR	R21447-92-0001	15DEC92	CLOSED *
	USS SAN JACINTO (CG-56)	EMR	V21389-92-0001	08MAR92	CLOSED *
	NWS YORKTOWN	PQDR II	N00109-92-0010	05FEB92	CLOSED *
	NWS YORKTOWN	PQDR II	N00109-91-0253	05DEC91	CLOSED *
	NAS KEY WEST	EMR/EIR	N00213-89-0001	08MAY89	CLOSED *
	USS THORN (DD-988)	EMR	V20835-87-1402	27OCT87	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

ACTION :	VS-30	CODR	V09226-00-0011	28OCT00	OPEN
END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC	
	1657AS0100-52	1410	01-255-6341	PD84	
	NOMEN: AIR SURF ATCK AUR GM				
	S/N: 085690				
FAILED PART:	1657AS0100-52	1410	01-255-6341	PD84	
	NOMEN: AIR SURF ATCK AUR GM				
	S/N: 085690				

**DESCRIPTION:**

280316Z0CT00: On 20 October 2000, VS-30 was deployed aboard USS George Washington (CVN-73). As an S-3B aircraft was on the flight deck, and HARPOON missile S/N 085690 was up loaded on station six, a white residue or electrolyte was leaking from the sustainer (bottom port hole). Also, the missile battery sounded as if it had started to power up. (Note, aircraft wing station six release and control

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**PROBLEM NO: 11770**

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check had been conducted with no noted discrepancies.) The missile had been inspected and BIT was performed in accordance current instructions also no discrepancies or failures were noted. Upon securing electrical power, personnel proceeded to wing station of the missile to arm aircraft wing stations and did observe a continuous leak of a white residue or electrolyte leaking from the aft missile sustainer area (bottom port hole). It was further discovered that an unusual noise coming from the aft section of the missile, which sounded like the the powering up of the battery. There was no intent to launch given. Exercising on the side of caution, EOD was notified immediately. EOD evaluated the incident and concluded missile to be safe and posed no threat or danger to personnel or ship.

**ACTION TAKEN:**

300529ZOCT00: NAWC Pt. Mugu requested HARPOON missile S/N 085690 be shipped back to AOC Yorktown at the earliest possible opportunity. AOC Yortown was advised that upon receipt, missile leakage assessment, test and repairs were to be conducted. Report of findings are to be issued.

09APR01: AWARS SLITS database is showing information stating that defective missile S/N 085690 was received at AOC Yorktown in condition code "J". AOC Yorktown took receipt under shipment document no. V20120-1030-1674. It was placed in storage pending maintenance induction.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 085690	07MAR01	OPEN
	YORKTOWN/323000E	RECEIPT		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VS-30 MESSAGE 280316ZOCT00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	300529ZOCT00	
	NAWC PT MUGU/313100E AWARS SLITS	MSL INDUCTION STATUS
	09APR01	

<b>ACTION :</b>	<b>USS RENTZ (FFG-46)</b>	<b>CODR</b>	<b>R21198-97-0003</b>	<b>11APR97</b>	<b>OPEN</b>
<b>END ITEM :</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>	
	1657AS0400-30	1410	01-263-2912	PE14	
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
	<b>S/N:</b> 002154, 002154				
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469		
	<b>NOMEN:</b> GUIDANCE SECTION, GM				
	<b>S/N:</b> 045140, 070240				

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**PROBLEM NO: 11770**

**(Continued)**

**DESCRIPTION:**

110204ZAPR97: USS Rentz reported that during fuel leak inspection of missile S/N 002154 in accordance with Maintenance Requirement Card 7211/008 R-2M a blue streak was observed running out from an upper missile fin. Most of the streak was dry but the upper portion nearest the exit point of the fin was moist. The substance was believed to be JP-10 fuel. Due to launcher casualties and underway schedule, check had not been preformed since 12 January 1997 missile on load. Ship returned to port on 20 March 1997. AMMOPAC was notified on 21 March 1997. AMMOPAC consulted with NAWC Pt. Mugu and a decision was made to have missile off loaded at Seal Beach on 14 April 1997.

**ACTION TAKEN:**

0110229ZAPR97: NAWC Pt. Mugu concurred with instruction provided. A technical representative who will be at pier side during off-load and missile disposition will be determined as warranted. NAWC Pt. Mugu requested of copy videotape be provided.

30SEP97: NAWC Pt. Mugu reviewed AWARS data and concluded that as of 22 May 1997 TARTAR missile S/N 002154 was at Yorktown in Condition Code "F".

01OCT98: HARPOON AWARS database provided the following maintenance events regarding fleet returned missile S/N 002154. On 10 August 1998 an incoming visual inspection was conducted. Missile log book annotated that missile was reported as leaking JP-10 fuel. On 11 August 1998 missile booster S/N QGN-1099 was removed. No deficiencies noted. During another inspection missile fuel was confirmed. On 12 August 1998 missile sustainer section S/N 070240 removed and defueled for further transport to depot repairs. Missile required incorporation of AWB-333 Change -1. Replacement S/S SE//N GQN-1012 was installed. On 13 August 1998, Missile body S/N 002154 failed Missile Subsystem Test Set incoming test parameter . 5375 - Mode 2. On 14 August 1998, missile guidance section S/N 045140 was removed from Harpoon Missile Body and section S/N 117036 was installed. Defective G/S was hold over section-level-test. With the replacement section installed, Harpoon Missile Body passed the Missile Subsystem Test Set retest. On 18 August 1998, the removed booster S/N QGN-1099 was reinstalled. Missiles passed another continuity test. On 19 August 1998 missile S/N 002154 was made ready-for-issue and placed in condition code "A".

28DEC99: Upon review the HARPOON AWARS database, it can be concluded that faulty sustainer section S/N 070240 and guidance section S/N 045140 remains at Yorktown in storage.

12JUN00: NAWC Pt. Mugu per E-mail requested Det Yorktown to provide

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information regarding booster S/N GQN-1099, sustainer section S/N 070240 and guidance section S/N 045140. Was the leakage of the sustainer ever confirmed? Was sustainer fuel tank one-piece or three piece? What's the status of the faulty assets?

02AUG00: NAWC Pt. Mugu per E-mail again requested NAWC Det. Yorktown provide all the information available regarding sustainer section S/N 070240 and guidance section S/N 045140. Deficiency report to remain open pending receipt of requested information.

03AUG00: NAWC Det. Yorktown, advises that leakage of sustainer S/N 070240 was confirmed. The leaking sustainer had the three piece fuel tank. Sustainer was shipped to depot under Document Number N49935-9279-5257. Arrived at depot on 28 October 1999. Defective guidance section S/N 045140 remains at AOC Yorktown in condition code "F".

14NOV00: AWARS SLITS data, shows that The Boeing Company took receipt of defective missile sustainer section S/N 070240 on 28 October 1999.

02JAN01: AWARS SLITS data, shows that defective guidance section S/N 045140 remain in condition code "F" at AOC Yorktown. Defective sustainer section S/N 070240 remains at The Boeing Company in condition code "F".

30OCT01: AWARS SLITS data, shows that on 04 September 2001, defective sustainer section S/N 070240 was in receipt at Letterkenny Army Depot in deep storage. As of 10 September 2001, defective guidance section S/N 045140 remain in storage at AOC Yorktown.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>	
<b>SUMMARY</b>		NAWC DET	PROVIDE G/S 045140		CANCELED	02JAN01
		YORKTOWN/323000E	DOP SHIPMENT STATUS			
		NAWC DET	MONITOR G/S 045140		COMPLETE	03AUG00
		YORKTOWN/323000E	STATUS			
		NAWC PT MUGU/313100E	FOLLOWUP S/S 070240		CANCELED	02JAN01
			STATUS			
		NAWC PT MUGU/313100E	MONITOR MSL 002154		COMPLETE	30SEP97
			RECEIPT			
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S 045140		COMPLETE	12JUN00
		NAWC PT MUGU/313100E	FOLLOWUP S/S 070240		COMPLETE	12JUN00
		NAWC PT MUGU/313100E	PROVIDE S/S 070240	02JUL01	OPEN	
			DOP FOLLOWUP			
		NAWC PT MUGU/313100E	PROVIDE G/S 045140	02JUL01	OPEN	
			FOLLOWUP			

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS RENTZ (FFG-46) MESSAGE 110204ZAPR97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 110229ZAPR97	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS DATABASE 30SEP97	MISSILE AT NWS YORKTOWN
	NAWC PT MUGU/313100E AWARS 01OCT98	AURT RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 28DEC99	FAILED SECTION AT YORKTOWN
	NAWC PT MUGU/313100E E-MAIL REPORT 12JUN00	UPDATE INFORMATION REQUESTED
	NAWC PT MUGU/313100E E-MAIL REPORT 02AUG00	UPDATE INFORMATION REQUESTED
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 03AUG00	LEAK CONFIRMED
	NAWC PT MUGU/313100E AWARS 14NOV00	SUST STATUS
	NAWC PT MUGU/313100E AWARS 02JAN01	SECTIONS STATUS
	NAWC PT MUGU/313100E AWARS 30OCT01	SECTIONS STATUS

**ACTION : USS LAKE ERIE CODR R21827-97-0001 30JAN97 OPEN (CG-70)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085098			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085098			

**DESCRIPTION:**

300257ZJAN97: On 11 January 1997, while performing Maintenance Requirement Card 7211/009 M-2R (inspect for and clean HARPOON missile liquid fuel leaks) on RGM-84D-4, PE25 HARPOON missile S/N 085097, approximately 1/2 of an ounce of a black oily substance drained from the canister fuel leak inspection port. On 29 January 1997, a FCTCPAC representative examined the substance and believed it to be hydraulic fluid from control surface actuators. Material was placed into a plastic container and stored as HAZMAT. The HARPOON launcher support structures and the eight loaded missile canisters had not been subjected to any temperature extremes, abnormal vibrations, or recent preservation.

**ACTION TAKEN:**

030129ZFEB97: NAWC Pt. Mugu concurred with USS lake Erie's intention to have missile S/N 085097 off loaded on/or about 06-07 March 1997. Missile to be shipped to NWS Yorktown for further tests and repairs. A sample of the black substance was requested for liquid analysis.



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**PROBLEM NO: 11770**

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250029ZFEB97: USS Lake Erie was requested to sent a sample of the leaky substance to NAWC Pt. Mugu for analysis.

042115ZMAR97: USS Lake Erie advised NAWC Pt. Mugu that a sample of the black oily substance taken from the fuel leak drain plug was mailed out on 03 March 1997. Subject missile is currently scheduled for off-load at NAVMAG Lualualei on 01 or 02 April 1997.

13MAY97: Naval Facilities Engineering Service Center (NFESC), Code ESC-63 provided the following laboratory leak analysis of HARPOON liquid substance. Leak sample appears to be a mixture of JP-10 and a higher boiling oil material. The material could also be a grease that has been liquefied by the JP-10. The sample does not appear to contain significant amounts of dimethyl silicone.

26SEP97: NAWC Det Yorktown advises that missile S/N 085097 received at NWS Yorktown on 11 January.

29OCT99: NAWC Pt. Mugu has reviewed NFESC report regarding the leaking substance that was provided and concurs with recorded results. No further analysis required.

30OCT99: NAWC Pt. Mugu has reviewed missile inventory aboard USS Lake Erie around time frame of reported missile leakage. There is no record show missile S/N 087097 ever being aboard this ship or in Navy's inventory.

06JUN00: Further investigation in reference to data provided in statements entered on 26 September 1997 and 30 October 1999, it can be concluded that missile S/N 085097 was not the leaking missile as stated in reported missile deficiency. Upon reviewing results of investigation, the CLE , missile inventory manager, and HARPOON AWCAP manager has determined missile S/N 085098 to be the HARPOON that was found leaking aboard the USS Lake Erie and the serial number that should have been reported. As of 18 March 2000 missile S/N 085098 was aboard USNS Kilauea (TAE-26), still in condition code "J", enroute to WSF Seal Beach Det., Port Hadlock WA. The deficiency is to remain open pending missile receipt at AOC Yorktown and missile inspection, test and repair.

15DEC00: In accordance with CAIMS data presented, HARPOON PE25, S/N 085098, was received at AOC Yorktown in condition code "J" on 20 June 2000. Missile was received under Document number N49935-9313-5261.

03MAR01: AWARS SLITS data as of 21 February 2001, was showing defective fleet returned missile S/N 085098 in condition code "J" and still at AOC Yorktown. No other information provided.

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<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	PROVIDE STATUS OF MSL		COMPLETE 15DEC00
	YORKTOWN/323000E	085098		
	NAWC PT MUGU/313100E	PROVIDE FOLLOWUP MSL		CANCELED 06JUN00
		085097 REPAIRS		
	NAWC PT MUGU/313100E	ANALYSIS MSL S/N		COMPLETE 13MAY97
		085097 LIQUID SAMPLE		
	NAWC PT MUGU/313100E	MSL 085098 ACTION	02JUL01	OPEN
		FOLLOWUP		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LAKE ERIE (CG-70) MESSAGE	PROBLEM REPORT
	300257ZJAN97	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	030129ZFEB97	
	NAWC PT MUGU/313100E MESSAGE	FOLLOWUP ON SAMPLE REQUEST
	250029ZFEB97	
	USS LAKE ERIE (CG-70) MESSAGE	OILY SAMPLE MAILED OUT
	042115ZMAR97	03MAR97
	NSWC PORT HUENEME/4G21 MEMO 13MAY97	LAB ANALYSIS
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL LOCAL
	26SEP97	
	NAWC PT MUGU/313100E COMMENT 29OCT99	REVIEW OF FINDINGS
	NAWC PT MUGU/313100E INVESTIGATION	MSL INVENTORY FINDINGS
	RESULTS 30OCT99	
	NAWC PT MUGU/313100E INVEST FOLLOWUP	ERROR IN SERIAL NUMBER
	INFO 06JUN00	REPORTED
	NAWC PT MUGU/313100E AWARS DATABASE	YORKTOWN MSL RECEIPT
	15DEC00	
	NAWC PT MUGU/313100E AWARS DATABASE	DEFECTIVE MSL STATUS
	03MAR01	

**ACTION : USS MCCAIN (DDG-56) CODR R21686-95-0001 16NOV95 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065662			
<b>FAILED PART:</b>	1657AS0510-10	1337	01-272-2358	
	<b>NOMEN:</b> SUSTAINER SECTION, GM			

**DESCRIPTION:**

160725ZNOV95: Aboard USS McCain and during performance of Maintenance Requirement Card 7211/009 M-2R Missile Fuel Leak Inspection) on RGM-84D-4 missile S/N 065662, a black/brown oily substance was leaking from Canister eight. There was approximately 20 ounces of fluid leaked out of the canister upon removal of the drain plug. A photograph and a sample was obtained. The control and

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ignition cables were removed to safe the canister. Missile was reclassified to Condition Code "F". The missile has an Maintenance Due Date of June 1997 and came aboard 24 May 1995.

**ACTION TAKEN:**

160730ZNOV95: USS McCain (DDG-56) advises NAWC Pt. Mugu that their problem is similar in character as reported by USS Princeton (CG-59) in September 1992. This was believed to have been a fuel and RTV mixture with an oily base and a strong odor equivalent to PD680 solvent.

200929ZNOV95: NAWC Pt. Mugu has reviewed the reported and recommends the following actions: USS McCain was requested to have the missile off loaded at the earliest convenience for further transport to NWS Yorktown. NSWC PHD was requested to consider a revision of Maintenance Requirement Card's to describe various types of fuel leaks. Preventive maintenance card currently only discusses JP-10 fuel leak (blue color). NWS Yorktown was requested that upon receipt of fleet returned missile, a visual inspection was to be conducted to verify fuel leak as reported. Submit inspection results, and test results, if test of missile is considered, to NAWC Det Yorktown for final submittal to NAWC Pt. Mugu. NAWC Det Yorktown upon receipt of NWS Yorktown's findings, it requested that a report be prepared and forwarded to NAWC Pt. Mugu. The report should include inspection/test results, P/N's, S/Ns and analysis of all failed sections/assemblies sent to the depot for repair. Also, provide shipping data on failed section(s) sent to the depot for repair.

20NOV95: NAWC Pt. Mugu informed NAVAIR of the fuel leak aboard USS McCain, and that the ship will be notified to forward a sample of the fluid for analysis. Also, ensure the ship follows the fuel leak Maintenance Requirement Card until the missile can be safely off loaded.

21NOV95: NSWC Port Hueneme advised NAWC Pt. Mugu that a news item will be put in the next NSWC PHD Newsletter remaining the fleet in the proper handling of fuel leakers, and to follow the fuel leak Maintenance Requirement Card until the missile can be safely off loaded.

22NOV95: The Ordnance Officer of USS McCain provided NAWC Pt. Mugu with a photograph and a fluid sample of the substance that was leaking from missile canister S/N 065662.

010529ZJUL96: NAWC Pt. Mugu provided USS McCain (DDG-56) with the following test results of the McCain fluid sample: Naval Facilities Engineering Center at Port Hueneme, CA, the fluid sample contained a chain of hydrocarbons (common in jet fuels) and traces of silicone

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oil (common in RTV sealants). The fluid on the cloth sample was of the same mixture. NSWC Port Hueneme comment the due to the small number of leakers being reported by the fleet relative to the population, and the ability of the ship's crew to identify jet fuel, makes the recommendation to list every possible combination of fluid colors on the Maintenance Requirement Card impractical. Missile currently in receipt at NWS Charleston NC, awaiting shipment to NWS Yorktown for fuel leaker verification.

09JUL96: During a telephone conversation NWS Yorktown advised NAWC Pt. Mugu that the sustainer section in question has the three piece fuel tank.

090129Z OCT 96: NAWC Pt. Mugu informed John S. McCain that the analyses of the fluid sample showed that there were a chain of hydrocarbons (common with jet fuels) and traces of silicone oil (common with RTV sealants). As advised by CAIMS/SLITS missile stall located at NAVMAG Lualualei awaiting shipment to Yorktown. Shipment of missile to Yorktown is pending on FY96/FY97 funding resolution.

26SEP97: NAWC Det Yorktown informed Pt. Mugu that NWS Yorktown took receipt of missile on 08 September 1997. Missile currently awaiting induction.

30JAN99: NAWC Det Yorktown advised Pt. Mugu that defective missile S/N 065662 still at AOC Yorktown in condition code "F".

07JAN00: NAWC Det Yorktown informed Pt. Mugu that missile still at AOC Yorktown in storage pending induction into maintenance production. Note, action regarding this missile deficiency to remain open.

04AUG00: NAWC Det Yorktown and SLITS data advised NAWC Pt. Mugu that missile S/N 065662 remains in storage at in condition code "F".

03MAR01: A review of AWARS SLITS data, as of 21 February 2001, defective missile S/N 065662 remains in at AOC Yorktown and remains in condition code "J" status.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 065662		CANCELED 03MAR01
		YORKTOWN/323000E	AUR TESTING		
		NAWC DET	PROVIDE MSL S/N		COMPLETE 26SEP97
		YORKTOWN/323000E	065662 RECEIPT DATE		
		NAWC DET	MONITOR MSL S/N		COMPLETE 30JUN00
		YORKTOWN/323000E	065662 LEAKAGE EVAL		
		NAWC PT MUGU/313100E	MSL 065662 FOLLOWUP	02JUL01	OPEN
		NSWC PORT HUENEME	REVISE MRC'S		CANCELED 21NOV95

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MCCAIN (DDG-56) MESSAGE 160725ZNOV95	PROBLEM REPORT
	USS MCCAIN (DDG-56) MESSAGE 160730ZNOV95	FOLLOWUP
	NAWC PT MUGU/313100E MESSAGE 200929ZNOV95	INTERIM RESPONSE
	NAWC PT MUGU/313100E E-MAIL 20NOV95	INFORMED NAVAIR OF FUEL LEAK
	NSWC PORT HUENEME/4G21 E-MAIL 21NOV95	FLEET NEWSLETTER/MRC
	USS MCCAIN (DDG-56) PHOTOS 22NOV95	DISPLAY OF FLUID SAMPLE
	NAWC PT MUGU/313100E MESSAGE 010529ZJUL96	FLUID TESTS RESULTS
	NWS YORKTOWN/304 PHONCON 09JUL96	TYPE OF FUEL TANK INSTALLED
	NAWC PT MUGU/313100E MESSAGE 090129ZOCT96	FY96/FY97 FUNDING ISSUE
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	MSL RECEIPT DATE
	NAWC DET YORKTOWN/323000E STATUS RPT 30JAN99	MSL STILL AT YORKTOWN CC-F   AWAITING EVAL
	NAWC DET YORKTOWN/323000E STATUS RPT 07JAN00	MSL AWAITING LEAK EVAL/TEST
	NAWC DET YORKTOWN/323000E STATUS REPORT 04AUG00	MSL LOCAL STATUS
	NAWC PT MUGU/313100E AWARS CAIMS/SLITS 03MAR01	MSL CONDITION STATUS

**ACTION : USS JOHN RODGERS CODR V20615-95-0001 06OCT95 OPEN  
(DD-983)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-38	1410	01-264-5578	PE31
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105563, 105563			
<b>FAILED PART:</b>	1657AS0505-7	1420	01-301-6756	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 117051, 110167			

**DESCRIPTION:**

060020ZOCT95: On 27 September 1995, USS John Rodgers (DD-983) was performing an on board preventive maintenance operation using Maintenance Requirement Card 7211/M-2R at which time, RGM-84D-5 HARPOON Canister Missile, S/N 105563 failed the fuel leak check. There was approximately 32 ounces of water present inside the canister. The maximum allowable amount is eight ounces. Using Maintenance Requirement Card 4821/R-11S missile BIT test was satisfactorily completed. The weapon will be available for off-load June 1996 (prior to DSRA on 27 June 1995).

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**ACTION TAKEN:**

170029Z OCT 95: NAWC Pt. Mugu has reviewed the reported deficiency and provided the following instructions: USS John Rodgers was requested to determine the water drained from the canister was fresh or salty. If fresh water, then mildew may be the only problem to effect the missile. If it is salt water, missile connector corrosion and electrical interface may become nonexistent, resulting in a possible communications failure during BIT. USS Rodgers was requested to provide the circumstances since on load that may have caused excessive water intrusion of the missile and type of water involved. If the ship is to be in warm or hot weather, no further action is required. If cold weather is to be encountered until the scheduled off-load in June 1996, recommend that the missile be off loaded at the earliest convenience and return the weapon to NWS Yorktown. NWS Yorktown upon receipt of missile, conduct a visual inspection to see if corrosion is present and perform an All-up Round test. Upon conclusion of inspection and test, provide results to NAWC Det Yorktown. NAWC Det Yorktown, upon receipt of NWS Yorktown's findings, prepare a report of these findings for submittal to NAWC Pt. Mugu. The report should include P/Ns, S/Ns, plus an analysis of failed sections and or assemblies. Also, provide shipping data on failed section(s) sent to the depot for repair.

21 FEB 96: NAWC Det. Yorktown informed NAWC Pt. Mugu that the missile S/N 105563 not yet received at NWS Yorktown.

09 APR 96: NAWC Det. Yorktown informed NAWC Pt. Mugu that NWS Yorktown still not in receipt of fleet failed missile.

01 OCT 96: NAWC Det Yorktown October 1996 monthly status report concluded PE31 HARPOON missile S/N 105563 to be in receipt at NWS Charleston.

26 MAR 97: AWARS database SLITS show missile S/N 105563 still at NWS Charleston. Missile remains in condition code "F".

30 SEP 97: AWARS database SLITS data show missile arrived Yorktown 23 June 1997. On 19 September 1997 missile still at Yorktown in condition code "F".

30 MAR 98: Review of HARPOON AWARS database maintenance data system sheet which was initiated on 22 January 1998 regarding NWS Yorktown's maintenance actions against missile S/N 105563 provided the following: Maintenance data system was initiated on 22 January 1998 under Job Order No/Work No. 2J7Y402. Missile passed incoming visual inspection on 22 January 1998. No information provided in reference to reported possibility of missile water intrusion. Missile canister S/N 095069 was removed on 26 January 1998. No

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**PROBLEM NO: 11770**

**(Continued)**

indication of a visual inspection. Booster S/N GQN-0874 was also removed. No indication of inspection for water intrusion. Also on 26 January 1998 missile incoming test was performed. Missile failed the following parameters:

- 5130 - Missile Pyro Test
- 5160 - Missile Pre-Power Resistance Test
- 5210 - Missile Power-Up
- 5310 - Seeker Status and Boresight
- 5320 - Transmitter Characteristics
- 5410 - ARA Tests
- 9810 - Unit Under Test Power-Down

Failed parameters are indications of faulty guide and sustainer sections.

On 29 January 1998 guidance section S/N 117051 was removed for shipment to depot. On 03 February 1998 sustainer section S/N 110167 was removed for shipment to depot. Later on 11 February 1998, sustainer section failed the following section-level-test parameters;

- 7850 - Sustainer Pre-Power Resistance Test
- 7900 - Sustainer Power-Up

On 29 January 1998 replacement guide S/N 077284 was installed onto HARPOON missile body. Next, 03 February 1998 replacement sustainer S/N 070058 was installed. On retest of HARPOON missile body, it failed again identifying replacement sustainer as faulty. Missile was disassembled on 04 February 1998. On 16 March 1998 was inducted for reassembling. Finally on 24 March 1998 missile reconfigured and returned to ready-for-issue status.

30OCT99: AWARS database show information that sustainer section S/N 070058 passed on section level retest.

30DEC99: AWARS followup information provided in reference to missile being disassembled on 04 February 1998 as stated above (30MAR98 entry refers). Upon the retest of missile S/N 105563 on 03 February 1998, and it being broken down on 04 February, missile warhead was place in storage, condition code E, pending buildup per request by Boeing representative at AOC Yorktown. As was stated earlier, on 16 March 1998 missile buildup continued and on 24 March 1998, missile was returned to condition code "A", ready-for-issue status.

30MAY00: DCMC Boeing Company, St. Louis MO., Inventory Report of 30 May 2000, informed NAWC Pt. Mugu that defective guidance section S/N 117051 remains at depot in condition code "F". No detailed data provided.

01JAN01: NAWC Pt. Mugu CAIMS/SLITS data is showing information stating that as of 21 September 1998, sustainer section S/N 110167 had been issued for destructive test/research/development use.

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Followup action not required.

09APR01: CAIMS/SLITS database still showing defective guidance section S/N 117051 at The Boeing Company and remains in condition code "F". Guide has been in receipt at Boeing Company since 04 November 1999.

<b>ACTION : SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	DCMC BOEING ST LOUIS/RDOBA	G/S 117051 REPAIRS FOLLOWUP		COMPLETE 14DEC00
	DCMC BOEING ST LOUIS/RDOBA	PROVIDE S/S 110167 REPAIR STATUS		COMPLETE 02JAN01
	NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N 105563 RECEIPT INFO		CANCELED 01OCT96
	NAWC DET YORKTOWN/323000E	S/N 110167 SHIPMENT STATUS		CANCELED 14DEC00
	NAWC DET YORKTOWN/323000E	PROVIDE FOLLOWUP ON MSL 105563 RECEIPT		COMPLETE 26MAR97
	NAWC PT MUGU/313100E	FOLLOWUP MSL 105563 RECEIPT		COMPLETE 30SEP97
	NAWC PT MUGU/313100E	FOLLOWUP MSL 105563 INSP/TEST INFO		COMPLETE 30APR98
	NAWC PT MUGU/313100E	FOLLOWUP ON GUIDE/SUST REPAIRS		COMPLETE 30DEC99
	NAWC PT MUGU/313100E	FOLLOWUP G/S 117057 REPAIR STATUS	20AUG01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS JOHN RODGERS (DD-983) MESSAGE 060020Z OCT95	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170029Z OCT95	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL MEMO 21FEB96	NWS NOT IN RECEIPT OF MSL S/N 105563
	NAWC DET YORKTOWN/323000E E-MAIL MEMO 09APR96	MSL S/N 105563 NOT RECEIVED
	NAWC PT MUGU/313100E AWARS SLITS 01OCT96	MSL AT NWS CHARLESTON
	NAWC PT MUGU/313100E AWARS SLITS 26MAR97	STILL AT CHARLESTON
	NAWC PT MUGU/313100E AWARS SLITS 30SEP97	MSL AT YORKTOWN CC-F
	NAWC PT MUGU/313100E AWARS MDS SHEET 30MAR98	MSL MDS ACTIONS
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT99	SUST SECTION LEVEL TEST INFO
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC99	BUILDUP OF MSL



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REFERENCES : IDENTIFICATION

DCMC BOEING ST LOUIS/RDOBA INVENTORY  
REPORT 30MAY00  
NAWC PT MUGU/313100E AWARS 01JAN01  
NAWC PT MUGU/313100E CAIMS/SLITS  
DATABASE 09APR01

REFERENCE BRIEF

GUIDE AT DOP CC-F  
  
SUST STATUS  
GUIDANCE SECTION DOP STATUS

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**PROBLEM NO:** 13202

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR EXER TNG AUR MSL	1657AS0100-51	1410	01-257-4968	PD50
	AIR EXER TRNG AUR MSL	1657AS0100-53	1410	01-255-6342	PD50
	AIR EXER TRNG AUR MSL	1657AS0100-69	1410	01-282-1265	PE41
	CANISTER TW SURF ATCK AUR	1657AS0303-30	1410	01-265-6664	PE30
	GM				
	AIR EXER TRNG AUR MSL	642AS0117-53	1410	01-253-0263	PC50
	MISSILE BODY, TACTICAL	642AS0643-22	1410	01-182-9291	7W82

**EI CNTRL NO:**

**PROB BRIEF :** FLIGHT TERMINATION SYSTEM FAILURE

**PROBLEM :** The basic problem is that the battery in the HARPOON missile  
**DESCRIPTION** (AGM-84-D series) can be inadvertently activated under the following conditions:

- a. The A-6E aircraft control unit is set up for a COMPUTER release.
- b. The aircraft computer is not in ATTACK mode.
- c. The pilot has committed by pressing the DETENT switch located on the "joystick".

Once the missile battery has been activated, the A-6 aircrew could inadvertently launch the HARPOON without the missile having the proper targeting information, causing an extreme safety hazard. If the pilot knows that the battery has been activated, but that the missile has not been inadvertently launched, the missile must be properly aborted, then downloaded and replaced after the aircraft returns to base.

**PREVENTIVE :** A caution was incorporated into the E250 Operational Flight Program  
**ACTION** Aircrew Manual, Change 1, WCSI Volume II, stating that with a HARPOON station selected, MASTER ARM ON and NOT in ATTACK mode, will cause Intent-To-Launch to be sent to the missile and the missile batteries will be activated.

**CORRECTIVE :** There will be no design change incorporated into the A-6 WCSI  
**ACTION** aircraft, since they are gradually being converted to SWIP aircraft. The latter type can accommodate a software modification to rectify the problem.

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC CHINA LAKE OP FLIGHT PROGRAM	INCORPORATION OF CAUTION IN
	08JUN92	A6E WCSI OFP

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	NAWC PT MUGU	CODR	N63126-00-8012	20NOV00	OPEN
	VS-22	CODR	V09287-00-0019	26SEP00	OPEN
	VS-22	CODR	V09287-00-0021	26SEP00	OPEN
	VS-35	CODR	R09345-99-0010	01OCT99	OPEN

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SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
VS-21	EMR/EIR	R09739-97-0018	07JUN97	CLOSED
VS-32	CODR	V09353-97-0010	02JUN97	CLOSED *
VS-21	EMR	R09739-93-0023	09JUN93	CLOSED *
VP-26	EMR/EIR	V09610-91-0010	06AUG91	CLOSED *
NAS WHIDBEY IS	EIR	N00620-89-0002A	02FEB89	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : NAWC PT MUGU CODR N63126-00-8012 20NOV00 OPEN**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0303-30	1410	01-265-6664	PE30
<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM				
<b>S/N:</b> 300250, 065117, 105212, 300250				
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM				
<b>S/N:</b> 300250, 065117, 105212, 300250				

**DESCRIPTION:**

200029ZNOV00: NAWC Pt. Mugu reports that this HARPOON missile deficiency report is being prepared and provided for information and tracking purposes only in reference to the four PE30, RGM-84D-5 missile aboard USS Cole. Per NSWC Port Hueneme directions these missiles, S/Ns L1462, 065117, 105212, and 300250 are being processed as misfires. Missiles will be off loaded at NWS Earle NJ.

**ACTION TAKEN:**

200129ZNOV00: NAWC Pt. Mugu informed NWS Earle NJ that upon receipt of missile S/Ns L1462, 065117, 105212 and 300250, they are to be shipped on to AOC Yorktown for evaluation and test.

01FEB01: NAWC Det Yorktown's HARPOON Monthly Status Report of 01 February 2001 advises that all four missiles from USS Cole were taken in receipt at AOC Yorktown on 9 January 2001 in condition code "J". They are to be inducted at the most opportune time.

11OCT01: HARPOON AWARS inventory data as of 18 April 2001, is still showing all four PE30 HARPOON missiles at AOC Yorktown in condition code "J".

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	AOC YORKTOWN/201	MONITOR MSLS OFFLOAD		COMPLETE 01FEB01
	NAWC PT MUGU/313100E	MONITOR MSL STATUS		COMPLETE 10OCT01
	NAWC PT MUGU/313100E	MONITOR MSLS STATUS	09JAN02	OPEN

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**PROBLEM NO: 13202**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE 200029ZNOV00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 200229ZNOV00	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 01FEB01	MSL STATUS
	NAWC PT MUGU/313100E AWARS 11OCT01	MSL STATUS

**ACTION : VS-22 CODR V09287-00-0019 26SEP00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-53	1410	01-255-6342	PD50
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 151035			
<b>FAILED PART:</b>	1657AS0100-53	1410	01-255-6342	PD50
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 151035			

**DESCRIPTION:**

261131ZSEP00: VS-22 reported that on 12 September 2000, while at NAS Jacksonville FL, HARPOON ATM-84D-1, S/N 151035 would not release from aircraft after intent to launch command was selected. Note, during flight missile was selected for engine on release and intent to launch command was initiated. The ready light on the command and control set went out as required. The missile released the intake cover, the probes were extended and the missile started to turn up. Just prior to to ready light coming back on and release signal being initiated the missile shut down. Missile was not released as it should have been. All aircraft release and control checks were satisfactorily conducted and in accordance with approved instructions. Missile passed all BITs and telemetry checks prior to aircraft launch. After missile was down loaded from the aircraft a HARPOON Aircraft Command and Launch Control Set subsystem avionics check was conducted successfully.

**ACTION TAKEN:**

030129ZOCT00: NAWC Pt. Mugu acknowledged receipt of missile deficiency report and requested HARPOON missile S/N 151035 to remain in condition code "J" status. Missile classified at hangfire. It is to be packaged and shipped back to AOC Yorktown for further test and repair.

30NOV00: NAWC Pt. Mugu AWARS SLITS information advises that AOC Yorktown took receipt of defective missile S/N 151035 in condition code "J" on 30 October 2000 under shipping document no. N49935-0276-5259.

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<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 151035		COMPLETE 30NOV00
		YORKTOWN/323000E	RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 151035	25SEP01	OPEN
			INDUCTION		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VS-22 MESSAGE 261131ZSEP00	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		030129Z OCT00	
		NAWC PT MUGU/313100E AWARS SLITS	MSL STATUS
		30NOV00	

<b>ACTION</b>	<b>:</b>	<b>VS-22</b>	<b>CODR</b>	<b>V09287-00-0021</b>	<b>26SEP00</b>	<b>OPEN</b>
			<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	<b>END ITEM</b>	:	1657AS0100-53	1410	01-255-6342	PD50
			<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
			<b>S/N:</b> 171002			
	<b>FAILED PART:</b>		1657AS0100-53	1410	01-255-6342	PD50
			<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
			<b>S/N:</b> 171002			

**DESCRIPTION:**

261333ZSEP00: VS-22 while at NAS Jacksonville, FL reported that during missile flight termination system checks, HARPOON missile S/N 171002 failed tone number seven. However, missile did pass the missile BIT and telemetry checks. Missile was turned into the weapons department at NAS Jacksonville.

**ACTION TAKEN:**

030329Z OCT00: NAWC Pt. Mugu acknowledges receipt of missile deficiency and took for action. Missile was to have been placed in condition code "J" and shipped to AOC Yorktown for further test and repairs.

30NOV00: NAWC Pt. Mugu AWARS SLITS information advises that AOC Yorktown took receipt of defective missile S/N 171002 in condition code "J" on 30 October 2000 under shipping document no. N49935-0276-5259.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		AOC YORKTOWN/201	MONITOR MSL 171002		COMPLETE 30NOV00
			RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 171002	25SEP01	OPEN
			INDUCTION		

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**PROBLEM NO: 13202**

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**REFERENCES : IDENTIFICATION**

VS-22 MESSAGE 261333ZSEP00  
NAWC PT MUGU/313100E MESSAGE  
030329Z OCT00  
NAWC PT MUGU/313100E AWARS SLITS  
30NOV00

**REFERENCE BRIEF**

PROBLEM REPORT  
INTERIM RESPONSE  
  
MSL STATUS

**ACTION : VS-35 CODR R09345-99-0010 01OCT99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-53	1410	01-255-6342	PD50
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 144030			
<b>FAILED PART:</b>	1657AS0100-53	1410	01-255-6342	PD50
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 144030			

**DESCRIPTION:**

011500Z OCT99: VS-35 reported that on 15 September 1999 PD50, ATM84D-1, HARPOON Air Launch Missile S/N 144030 was up loaded onto wing station number five of an S-3 aircraft. Missile passed the initial BIT and no deficiencies noted. Telemetry and an in flight BIT was conducted with passing results. Aircrew and range control confirmed all systems were "GO". All arming procedures were performed in accordance with Naval Air Training Operational Procedures and Standardization manual checklists by the aircrew. Leaving the HARPOON Air Command and Launch Control Set panel proximity fuze switch in the off position as briefed by NAWC support engineers, Naval Air Training Operational Procedures and Standardization manual refers, "Aircrew must consult with the appropriate NAWC personnel to determine the required fuze switch position". Upon launch initiation, missile engine fired for approximately 20 seconds and then it shut down. After engine shut down, the aircrew observed a Harpoon Air Command and Launch Control Set station number five defect. Computer alert followed by a "NO-GO" light on station number five on the HARPOON Air Command and Launch Control Set panel. Hangfire procedures were conducted. Postflight hangfire inspection revealed no aircraft cartridges were fired and that the release and control system had notable deficiencies. Missile was down loaded and the umbilical was taped to the weapon and was returned to Pt. Mugu weapons department. Follow up, missile checks after flight attempt revealed time delay had not been removed from missile telemetry unit as briefed, resulting in missile abort approximately 20 seconds after intent to launch was initiated. Suspect human error to be cause of reported deficiency.

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**ACTION TAKEN:**

070129ZOCT99: NAWC Pt. Mugu requested NAWS Pt. Mugu to have missile S/N 144030 shipped back to AOC Yorktown for further test and analysis. Review of missile log book it was noted that no entry was annotated with the intent-to-launch hang fire reported deficiency. Yorktown instructed to conduct evaluation around the facts the may have caused the reported failure.

120229ZOCT99: NAWC Pt. Mugu provided corrective statement as to what was stated in above message in reference to aircraft post flight inspection. The statement should read: "Post flight inspections revealed no aircraft cartridges were fired and release and control systems checked good".

03MAY00: NAWC Det Yorktown informed NAWC Pt. Mugu that AOC Yorktown was in receipt of defective missile S/N 144030. Missile was received on 13 April 2000.

30NOV00: AWARS SLITS information states that as of 11 November 2000, defective missile S/N 144030 is still at AOC Yorktown and still in condition code "F". No other details provided.

11OCT01: AWARS maintenance data advises that missile was inducted into the "I" level maintenance cycle on 24 May 2001. Since missile was returned due to reported hang fire, sustainer and control sections were removed.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE DATE OF		COMPLETE 13APR00
		YORKTOWN/323000E	MISSILE 144030 RECEIPT		
		NAWC DET	MONITOR MSL 144030		COMPLETE 11OCT01
		YORKTOWN/323000E	INDUCTION		
		NAWC PT MUGU/313100E	MONITOR SUST STATUS	10JAN02	OPEN
		NAWC PT MUGU/313100E	MONITOR CONT STATUS	10JAN02	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VS-35 MESSAGE 011500ZOCT99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	070129ZOCT99	
	NAWC PT MUGU/313100E MESSAGE	RESPONSE CORRECTION
	120229ZOCT99	
	NAWC DET YORKTOWN/323000E STATUS	MSL RECEIPT STATUS
	REPORT 03MAY00	
	NAWC PT MUGU/313100E AWARS DATA 30NOV00	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E AWARS MDS 11OCT01	MSL STATUS

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**ACTION : VS-21 EMR/EIR R09739-97-0018 07JUN97 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-69	1410	01-282-1265	PE41
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 151036			
<b>FAILED PART:</b>	1657AS0100-69	1410	01-282-1265	PE41
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 151036			

**DESCRIPTION:**

070700ZJUN97: VS-21 reported that during flight, ATM-84D-1 experienced a misfire. Aircraft and missile were checked in accordance with current instructions. During postflight, missile BIT was performed and checked out satisfactory (4.0). The airborne BIT also checked out satisfactory. Missile launch procedures were performed and five seconds after Intent-to-Launch the weapons panel displayed a "NO-GO" indication. Weapons table unit displayed a no drop at aircraft Station six and the P-3 telemetry aircraft reported engine failure and uncommanded missile abort. The chase aircraft reported departure of air inlet duct covers and a small amount of smoke, with flames for approximately two seconds, coming from the sustainer section area. Postflight inspection revealed port and starboard crush sensors extended and soot residue at rear and top of the sustainer section. Aircraft wiring checked satisfactory.

**ACTION TAKEN:**

110329ZJUN97: NAWC Pt. Mugu requested missile be off loaded at the earliest possible opportunity for further shipment to NWS Yorktown for further study and testing.

160129ZJAN98: NAWC Pt. Mugu informed VS-21 that missile S/N 151036 was inadvertently destroyed by EOD Guam personnel. It was advised that the missile was destroyed in accordance with EOD manual 60G-2-2-45-4, OF 19 October 1993. Destruction of the missile is currently being investigated. EOD NAVACTS Guam was requested to submit CAIMS records and to report receipt of missile in Condition Code "J" via document No. R0336272649113. An expenditure report was also requested. With the inability to conduct evaluation and test of the missile, it has been concluded that the CAD units either went low order and were not able to eject the weapon or the CADs inadvertently fired prior to ITL while the hooks were still locked. Deficiency report will remain open pending results of the EOD investigation.

07FEB01: Commander U.S. Naval Forces, Marianas provided a copy of investigation report regarding the detonation of HARPOON missile S/N 151036 while at Guam on or about 7 November 1997. The finalized



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report was submitted to Seventh Fleet Commander on 19 December 1997 concurring with the finding of facts, opinions and recommendation as set forth in the report. It was recommended that EOD instructions be reviewed for possible inclusion of specific and differing render safe procedures as a function of the risk of explosive event corresponding to the telemetry, training, and warshot variants, respectively. Also, Ensure training be conducted for all explosive safety, ordnance QA, EOD personnel on suspect container markings and stencilling recognition. Ensure the review of all Standard Operation Procedures that are applicable to suspect high value conventional ordnance render safe response. Make changes where applicable, on a no risk to human life basis. No further action warranted. This action closes this deficiency.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL 151036		CANCELED 16JAN98
		YORKTOWN/323000E	RECEIPT INSP/TEST		
		NAWC PT MUGU/313100E	MONITOR EOD		COMPLETE 18AUG00
			INVESTIGATION		
		NAWC PT MUGU/313100E	EOD MANUAL CORRECTION		COMPLETE 01FEB01

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VS-21 MESSAGE 070700ZJUN97	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 110329ZJUN97	INTERIM RESPONSE
		NAWC PT MUGU/313100E MESSAGE 160129ZJAN98	MISSILE DESTROYED/EOD INVEST IN-WORK
		COMNAVMAR GUAM LTR SER N00J/0163 07FEB01	INVESTIGATION REPORT/CLOSURE

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**OPEN**

<b>END ITEM</b>	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>:</b>	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-26	1410	01-263-2936	PE26
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-28	1410	01-263-2929	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-31	1410	01-264-5490	PE86
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-38	1410	01-263-2932	PE24
	CANISTER TW SURF ATCK AUR GM	1657AS0303-30	1410	01-265-6664	PE30
	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14
	CANISTER SHK RES SURF ATCK AUR GM	642AS0651-1	1410	01-039-2945	PA92
	CANISTER SHK RES SURF ATCK AUR GM	642AS0651-10	1410	01-255-6340	PB58
	CANISTER SHK RES SURF ATCK AUR GM	642AS0651-30	1410	01-255-2130	PC05
	CANISTER SHK RES SURF ATCK AUR GM	642AS0651-7	1410	01-198-7063	PC05

**EI CNTRL NO:** 98-0011

**PROB BRIEF :** BIT FAILURES, GRADE B CANISTER (HARPOON)

**PROBLEM :** During a routine fleet missile operation the missile failed.  
**DESCRIPTION**

**PREVENTIVE :** No preventive action has been identified.  
**ACTION**

**CORRECTIVE :** No corrective action has been proposed other than replacement of  
**ACTION** missile sections which have been determined to be defective.

<b>OCCURRENCES:</b>	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
	USS YORKTOWN (CG-48)	CODR	V21225-01-0001	11OCT01	OPEN
	USS ANZIO (CG-68)	CODR	V21658-01-0004	10AUG01	OPEN
	USS COWPENS (CG-63)	CODR	R21623-01-0001	18JUN01	OPEN
	USS SAN JACINTO (CG-56)	CODR	V21389-01-0001	18MAY01	OPEN
	USS ANZIO (CG-68)	CODR	V21658-01-0002	07APR01	OPEN
	USS PRINCETON (CG-59)	CODR	R21447-01-0001	27FEB01	OPEN
	USS VINCENNES (CG-49)	CODR	R21295-01-0002	17FEB01	OPEN
	USS NORMANDY (CG-60)	CODR	V21449-01-0001	12FEB01	OPEN
	USS BENFOLD (DDG-65)	CODR	R21940-01-0003	11FEB01	OPEN

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
USS CAPE ST GEORGE (CG-71)	CODR	V21828-01-0002	23JAN01	OPEN
USS CHANCELLORSVILLE (CG-62)	CODR	R21451-00-0004	14SEP00	OPEN
USS KINKAID (DD-965)	CODR	R20576-00-0001	18JUL00	OPEN
USS PORT ROYAL (CG-73)	CODR	R21830-00-0002	25JUN00	OPEN
USS FLETCHER (DD-992)	CODR	R20839-00-0001	16MAY00	OPEN
USS MOBILE BAY (CG-53)	CODR	V21346-00-0001	26JAN00	OPEN
USS VINCENNES (CG-49)	CODR	R21295-99-0001	10NOV99	OPEN
USS VINCENNES (CG-49)	CODR	R21295-99-0002	10NOV99	OPEN
USS YORKTOWN (CG-48)	CODR/EMR	V21225-99-0002	15OCT99	OPEN
USS PORT ROYAL (CG-73)	CODR	R21830-99-0002	28SEP99	OPEN
USS VICKSBURG (CG-69)	CODR	V21684-99-0002	20AUG99	OPEN
USS YOUNG (DD-973)	CODR	R20599-99-0001	08AUG99	OPEN
USS SPRUANCE (DD-963)	CODR	V20574-99-0002	10JUN99	CLOSED *
USS PRINCETON (CG-59)	CODR	R21447-99-0002	08JUN99	OPEN
USS MOBILE BAY (CG-53)	CODR	V21346-99-0005	25APR99	OPEN
USS TICONDEROGA (CG-47)	CODR	V21281-99-0002	22APR99	OPEN
USS COWPENS (CG-63)	CODR	R21623-99-0001	02MAR99	OPEN
USS ANZIO (CG-68)	CODR	V21658-99-0001	29JAN99	OPEN
USS BRISCOE (DD-977)	CODR	V20603-98-0001	10JAN99	CLOSED
USS SHILOH (CG-67)	CODR	R21657-98-0001	28AUG98	OPEN
USS SAN JACINTO (CG-56)	CODR	V21389-98-0102	01AUG98	OPEN
USS SAN JACINTO (CG-56)	CODR	V21389-98-0101	12JUL98	OPEN
USS LAKE CHAMPLAIN (CG-57)	CODR	R21428-98-0001	29APR98	OPEN
USS CHANCELLORSVILLE (CG-62)	CODR	R21451-98-0000	16APR98	OPEN
USS VINCENNES (CG-49)	CODR	R21295-98-0001	19MAR98	OPEN

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

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**(Continued)**

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
USS TICONDEROGA (CG-47)	CODR	V21281-97-0001	04NOV97	OPEN
USS YORKTOWN (CG-48)	CODR	V21225-97-0001	28OCT97	CLOSED *
USS LAKE ERIE (CG-70)	CODR	R21827-97-0002	24AUG97	OPEN
USS PRINCETON (CG-59)	CODR	R21447-97-0001	02JUN97	OPEN
USS LAKE CHAMPLAIN (CG-57)	CODR	R21428-97-0001	23MAY97	OPEN
USS CHANCELLORSVILLE (CG-62)	CODR	R21451-97-0002	06MAR97	OPEN
USS O'BRIEN (DD-975)	CODR	R20601-97-0001	25FEB97	OPEN
USS CHOSIN (CG-65)	CODR	R21625-96-0003	13DEC96	OPEN
USS VELLA GULF (CG-72)	CODR	V21829-96-0003	30SEP96	OPEN
USS ANTIETAM (CG-54)	CODR	R21387-96-0013	16SEP96	OPEN
USS LAKE CHAMPLAIN (CG-57)	CODR	R21428-96-0002	12SEP96	OPEN
USS VALLEY FORGE (CG-50)	CODR	R21296-96-0002	02SEP96	OPEN
USS GATES (CG-51)	CODR	V21344-96-0001	26AUG96	OPEN
USS GETTYSBURG (CG-64)	CODR	V21624-96-0003	11AUG96	OPEN
USS VELLA GULF (CG-72)	CODR	V21829-96-0001	30JUL96	OPEN
USS VELLA GULF (CG-72)	CODR	V21829-96-0002	30JUL96	OPEN
USS LAKE ERIE (CG-70)	CODR	R21827-96-0001	26JUL96	CLOSED *
USS VALLEY FORGE (CG-50)	CODR	R21296-96-0001	03JUL96	CLOSED *
USS HEWITT (DD-966)	CODR	R20586-96-0601	24MAY96	CLOSED *
USS ANZIO (CG-68)	EMR	V21658-96-0001	13FEB96	OPEN
USS SAN JACINTO (CG-56)	CODR	V21389-96-0001	10JAN96	CLOSED *
USS SAN JACINTO (CG-56)	CODR	V21389-97-3778	10JAN96	CLOSED *
USS CAPE ST GEORGE (CG-71)	CODR	V21828-95-0001	21NOV95	CLOSED *
USS SCOTT (DDG-995)	CODR	V21438-95-0002	01NOV95	OPEN
USS PRINCETON (CG-59)	CODR	R21447-95-0002	28SEP95	CLOSED

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

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**(Continued)**

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS	
USS GETTYSBURG (CG-64)	CODR	V21624-95-0002	18SEP95	CLOSED	*
USS NORMANDY (CG-60)	CODR	V21449-95-0011	27JUL95	CLOSED	*
USS CHOSIN (CG-65)	CODR	R21625-95-0001	15JUN95	CLOSED	*
USS MONTEREY (CG-61)	CODR	V21450-95-0003	13JUN95	OPEN	
USS NORMANDY (CG-60)	CODR	V21449-95-0008	09JUN95	OPEN	
USS SCOTT (DDG-995)	CODR	V21438-95-0001	21APR95	CLOSED	*
USS CONOLLY (DD-979)	CODR	V20611-95-0002	10APR95	CLOSED	*
USS TICONDEROGA (CG-47)	CODR	V21281-95-0003	20MAR95	CLOSED	*
USS COWPENS (CG-63)	CODR	R21623-95-0001	01FEB95	CLOSED	*
USS VICKSBURG (CG-69)	CODR	V21684-95-0001	19JAN95	CLOSED	*
USS GATES (CG-51)	EMR	V21344-94-2000	05NOV94	CLOSED	*
USS ANZIO (CG-68)	EMR	V21658-94-0002	13OCT94	CLOSED	*
USS ANZIO (CG-68)	EMR	V21658-94-0001	10AUG94	CLOSED	*
USS NORMANDY (CG-60)	CODR	V21449-94-0001	06JUL94	CLOSED	
USS CHANCELLORSVILLE (CG-62)	CODR	R21451-94-0002	28JUN94	CLOSED	*
USS MISSISSIPPI (CGN-40)	CODR/EMR	V20624-94-0001	24JUN94	CLOSED	*
USS CALLAGHAN (DDG-994)	CODR	R21437-94-0001	28MAY94	CLOSED	*
USS SPRUANCE (DD-963)	CODR	V20574-94-0001	21MAY94	CLOSED	*
USS YORKTOWN (CG-48)	EMR	V21225-94-0002	30MAR94	CLOSED	*
USS LEYTE GULF (CG-55)	CODR	V21388-93-0002	03MAR94	CLOSED	*
USS PRINCETON (CG-59)	EMR	R21447-94-0001	26JAN94	CLOSED	*
USS CHANDLER (DDG-996)	CODR	R21439-94-0001	25JAN94	CLOSED	*
USS TICONDEROGA (CG-47)	EMR	V21281-94-0002	24JAN94	CLOSED	*
USS TRUXTUN (CGN-35)	CODR	R52712-94-0001	22JAN94	CLOSED	*
USS YORKTOWN (CG-48)	EMR	V21225-94-0001	13JAN94	CLOSED	*
USS SCOTT (DDG-995)	EMR	V21438-93-0002	11NOV93	CLOSED	*
USS SPRUANCE (DD-963)	CODR	V20574-93-0001	29OCT93	CLOSED	*
USS LAKE CHAMPLAIN (CG-57)	EMR	R21428-93-0001	18OCT93	CLOSED	*
USS MONTEREY (CG-61)	CODR	V21450-93-0002	18SEP93	CLOSED	*

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

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<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
USS PHILIPPINE SEA (CG-58)	CODR	V21429-93-0002	10SEP93	CLOSED *
USS HUE CITY (CG-66)	EMR	V21656-93-0004	07SEP93	CLOSED *
USS VIRGINIA (CGN-38)	EMR	V20681-93-0003	27JUL93	CLOSED *
USS VALLEY FORGE (CG-50)	CODR	R21296-93-0001	25JUL93	CLOSED *
USS GATES (CG-51)	EMR	V21344-93-0001	02JUL93	CLOSED *
USS YORKTOWN (CG-48)	EMR	V21225-93-0001	23JUN93	CLOSED *
USS MOBILE BAY (CG-53)	CODR	V21346-93-0002	18JUN93	CLOSED *
USS BAINBRIDGE (CGN-25)	CODR	V52700-93-0001	29MAY93	CLOSED *
USS ENGLAND (CG-22)	EMR	R52693-93-0003	26MAY93	CLOSED *
USS GRIDLEY (CG-21)	CODR	R52692-93-0004	26MAY93	CLOSED *
USS CHOSIN (CG-65)	CODR	R21625-93-0001	17MAR93	CLOSED *
USS ANTIETAM (CG-54)	EMR	R21387-93-0003	11MAR93	CLOSED *
USS PHILIPPINE SEA (CG-58)	EMR	V21429-93-0001	22JAN93	CLOSED *
USS LEFTWICH (DD-984)	CODR	R20616-92-0001	04DEC92	CLOSED *
USS CHOSIN (CG-65)	CODR	R21625-92-0003	25AUG92	CLOSED *
USS GETTYSBURG (CG-64)	CODR	V21624-92-0001	13AUG92	CLOSED *
USS MERRILL (DD-976)	CODR	R20602-92-0001	13AUG92	CLOSED *
USCGC MELLON (WHEC-717)	EMR	R11403-92-0001	04AUG92	CLOSED *
USS HILL (DD-986)	EMR	R20833-92-0001	01AUG92	CLOSED *
USS PHILIPPINE SEA (CG-58)	EMR	V21429-92-0004	17APR92	CLOSED *
USS SAN JACINTO (CG-56)	EMR	V21389-92-0002	14APR92	CLOSED *
USS MAHAN (DDG-42)	EMR	V52236-92-0001	31MAR92	CANCELED*
USS CALLAGHAN (DDG-994)	EMR	R21437-92-0001	18MAR92	CANCELED*
USS LEYTE GULF (CG-55)	EMR	V21388-91-0005	10DEC91	CLOSED *
USCGC MELLON (WHEC-717)	EMR	R11403-91-0001	06JUN91	CLOSED *
USS GATES (CG-51)	EMR	V21344-91-0002	30APR91	CLOSED *
USS TICONDEROGA (CG-47)	EMR	V21281-91-0001	29MAR91	CLOSED *
USS MACDONOUGH (DDG-39)	EMR	V52233-91-0001	06MAR91	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
USS PRATT (DDG-44)	EMR	V52684-90-0003	26DEC90	CLOSED *
USS HILL (DD-986)	EMR	R20833-90-0001	29NOV90	CLOSED *
USS LUCE (DDG-38)	EMR	V52232-90-1104	04NOV90	CLOSED *
USCGC SHERMAN (WHEC-720)	EMR	R11406-90-1000	22JUN90	CLOSED *
USS YORKTOWN (CG-48)	EMR	V21225-90-0001	04MAR90	CLOSED *
USS INGERSOLL (DD-990)	EMR	R20837-90-0001	07FEB90	CLOSED *
USS DAHLGREN (DDG-43)	EMR	V52683-89-0007	21DEC89	CLOSED *
USS BELKNAP (CG-26)	EMR	V52701-89-0004	20DEC89	CLOSED *
USS STERETT (CG-31)	EMR	R52706-89-0001	21SEP89	CLOSED *
USS MOBILE BAY (CG-53)	EMR	V21346-89-0003	13AUG89	CLOSED *
USS KING (DDG-41)	EMR	V52235-89-0002	26MAY89	CLOSED *
USS HALSEY (CG-23)	EMR	R52698-89-0001	17MAY89	CLOSED *
USS BELKNAP (CG-26)	EMR	V52701-89-0001	11APR89	CLOSED *
USS MACDONOUGH (DDG-39)	EMR	V52233-89-0001B	30MAR89	CLOSED *
USS TEXAS (CGN-39)	EMR	R20682-88-0001	24MAR88	CLOSED *
USS VIRGINIA (CGN-38)	EMR	V20681-88-0001	17MAR88	CLOSED *
USS FARRAGUT (DDG-37)	EMR	V52231-88-0001	13JAN88	CLOSED *
USS MERRILL (DD-976)	EMR	R20602-87-0002	16DEC87	CLOSED *
USS HANCOCK (DD-981)	EMR	V20613-87-0001	04DEC87	CLOSED *
USS DEYO (DD-989)	EMR	V20836-87-0001	05JUN87	CLOSED *
USS O'BRIEN (DD-975)	EMR	R20601-87-0001	12MAY87	CLOSED *
NAVSEACENLANT	EMR	N65912-87-1504	05MAR87	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : USS YORKTOWN (CG-48) CODR V21225-01-0001 11OCT01 OPEN**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0302-30	1410	01-263-2928	PE25
<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM				
<b>S/N:</b> 085306				
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM				
<b>S/N:</b> 085306				

**DESCRIPTION:**

112352ZOCT01: USS Yorktown (CG-48) reports that on 25 September 2001, while conducting missile BIT, HARPOON PE25, missile S/N 085302 at cell three failed with a "SKR NO-GO" fault condition.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION TAKEN:**

150129ZOCT01: NAWC Pt. Mugu requested missile S/N 085302 be off loaded and returned to AOC Yorktown for follow up test.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR MSL 085302	17JAN02	OPEN
			RETURN		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS YORKTOWN (CG-48) MESSAGE	PROBLEM REPORT
		112352ZOCT01	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		150129ZOCT01	

<b>ACTION</b>	<b>:</b>	<b>USS ANZIO (CG-68)</b>	<b>CODR</b>	<b>V21658-01-0004</b>	<b>10AUG01</b>	<b>OPEN</b>
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	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>		1657AS0302-28	1410	01-263-2929	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 065087			
<b>FAILED PART:</b>		1657AS0302-28	1410	01-263-2929	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 065087			

**DESCRIPTION:**

101101ZAUG01: USS Anzio (CG-68) reported that on 30 July 2001, in port at AOC Yorktown, missile BITs were being performed in preparation for missile off load. During BIT of Grade B HARPOON, PE 25, S/N 065087, it failed after 15 plus seconds of BIT initiation. BIT was performed four times. All four resulted in an "ALT NO-GO" fault indication.

**ACTION TAKEN:**

130029ZAUG01: Missile S/N 065087 was off loaded and will remain in condition code "J" pending induction for test and evaluation. Upon induction into maintenance, it is requested that a reverse process test be conducted prior to normal incoming test.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 065087	20NOV01	OPEN
		YORKTOWN/323000E	STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS ANZIO (CG-68) MESSAGE 101101ZAUG01	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		130029ZAUG01	



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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS COWPENS (CG-63) CODR R21623-01-0001 18JUN01 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001961			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001961			

**DESCRIPTION:**

180403ZJUN01: USS Cowpens (CG-63) report that on 11 June 2001, HARPOON missiles were being prepared for off load and missile BIT was being performed. HARPOON, PE25, missile S/N 001961 at launch cell two failed BIT with an immediate "DPC/MGU COMMS NO-GO" fault indication displayed on the HARPOON weapons control panel. BIT was performed using the HARPOON guided missile simulator unit and it passed with successful results. Action confirmed failure to be in the missile. Failure indicates a communication problem between the missile and weapons system.

**ACTION TAKEN:**

180029ZJUN01: HARPOON missile S/N 001961 was returned to COMFLEACT Yokosuka. NAWC Pt. Mugu requested that missile be shipped back to AOC Yorktown at earliest possible opportunity.

30AUG01: Defective missile currently in enroute to AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC PT MUGU/313100E	MONITOR MSL 001961 SHIPMENT	19SEP01	OPEN

<b>REFERENCES</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS COWPENS (CG-63) MESSAGE 180403ZJUN01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 180029ZJUN01	INTERIM RESPONSE
	NAWC PT MUGU/313100E COMMENTS 30AUG01	MSL STATUS

**ACTION : USS SAN JACINTO CODR V21389-01-0001 18MAY01 OPEN (CG-56)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065311			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065311			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**DESCRIPTION:**

182324ZMAY01: USS San Jacinto (CG-56) reported on 18 May 2001, while underway and during scheduled missile BIT checks, HARPOON, PE25, Grade B canister missile S/N 065311, cell number four, failed twice in sequence. BITs were performed in accordance with MIP 4821/4, MRC R-11S. Both tests resulted in a "SKR NO-GO" being displayed on the ship's weapons panel. The last satisfactory BIT was performed during missile on load on 5 October 2000.

**ACTION TAKEN:**

210429MAY01: NAWC Pt. Mugu informed USS San Jacinto (CG-56) that failed HARPOON Grade B canister missile S/N 065311 is to be returned to AOC Yorktown for further tests and repairs.

10OCT01: Defective missile S/N 065311 arrived at AOC Yorktown in condition code "J" on 21 August 2001.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL 065311		COMPLETE 10OCT01
	YORKTOWN/323000E	RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL 065311	10JAN02	OPEN
		STATUS		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SAN JACINTO (CG-56) MESSAGE	PROBLEM REPORT
	182324ZMAY01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	210429ZMAY01	
	NAWC PT MUGU/313100E AWARS 10OCT01	MSL STATUS

**ACTION : USS ANZIO (CG-68) CODR V21658-01-0002 07APR01 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085732			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085732			

**DESCRIPTION:**

071835ZAPR01: USS Anzio (CG-68) reported that on 4 April 2001 HARPOON missile BITs were being conducted and missile S/N S/N 085732 was the first to be tested. It was the only missile to fail. Heater power had been applied to the missile while the others were being tested. After the other missiles passed with "GO" test results. Another BIT was performed on the failed missile again. It failed again with same results being observed. BIT was performed a number

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

of times with the same failed results. All BITs performed resulted in an "ARA NO-GO" fault code being displayed on the HARPOON weapons system's panel.

**ACTION TAKEN:**

100229ZAPR01: NAWC Pt. Mugu informed USS Anzio that failed missile S/N 085732 can not be authorized for use as a training missile. It was requested that failed missile be marked for off-load and for further transport to AOC Yorktown at the earliest possible opportunity.

100CT01: AWARS data as of 30 July 2001, defective missile S/N 085732 was in receipt at AOC Yorktown in condition code "J".

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC PT MUGU/313100E	MONITOR MSL 085732		COMPLETE 100CT01
		RETURN		
	NAWC PT MUGU/313100E	MONITOR MSL 085732	08JAN02	OPEN
		STATUS		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ANZIO (CG-68) MESSAGE 071835ZAPR01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 100229ZAPR01	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 100CT01	MSL STATUS

<b>ACTION</b>	<b>: USS PRINCETON (CG-59)</b>	<b>CODR</b>	<b>R21447-01-0001</b>	<b>27FEB01 OPEN</b>
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<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300679			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300679			

**DESCRIPTION:**

272251ZFEB01: USS Princeton (CG-59) reported that on 29 January 2001, HARPOON canister missile S/N 300679 failed BIT with a "SKR NO-GO" fault indication displayed on weapons panel. BIT was performed three times with same results. The HARPOON Guided Missile Simulator test was performed with passing results, confirming missile failure.

**ACTION TAKEN:**

280229ZFEB01: NAWC Pt. Mugu requested NWS Seal Beach to have missile S/N 300679 packaged and shipped to AOC Yorktown for further

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**PROBLEM NO: 13970**

**(Continued)**

inspection and test.

10OCT01: AWARS SLITS information as of 27 August 2001, defective missile S/N 300679 still in receipt at NWS Seal Beach.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 300679	30MAY01	OPEN
	YORKTOWN/323000E	RECEIPT		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PRINCETON (CG-59) MESSAGE	PROBLEM REPORT
	272251ZFEB01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	280229ZFEB01	
	NAWC PT MUGU/313100E AWARS 10OCT01	MSL STATUS

<b>ACTION :</b>	<b>USS VINCENNES</b>	<b>CODR</b>	<b>R21295-01-0002</b>	<b>17FEB01</b>	<b>OPEN</b>
	(CG-49)				

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002373			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002373			

**DESCRIPTION:**

171120ZFEB01: USS Vincennes (CG-49) reported that on 17 February 2001, PE25 HARPOON Canister missile S/N 002373 at launcher cell number four failed missile BIT with a "SKR NO-GO" fault indication. Cable continuity, ground and weatherproofing tests were conducted with no deficiencies noted. Ship's crew suspect magazine environmental condition as a factor in causing BIT failure. With missile spending long periods of exposure to extreme temperature variation and ship's motion due to high sea states also a contributing cause of failure. (USS Vincennes 230322ZFEB01 germane. It provided original CODR's report control number.)

**ACTION TAKEN:**

260829ZFEB01: It was requested that missile S/N 002373 be placed in condition code "J". Have missile shipped back to AOC Yorktown at the earliest possible opportunity. Upon receipt at AOC Yorktown conduct corrosion, water intrusion inspection and a missile all-up-round test. Submit finding to NAWC as soon a report can be made available.

10OCT01: As of 15 August 2001, defective missile S/N 002373 is aboard an ammo ship enroute for AOC Yorktown.

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**(Continued)**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 002373	29MAY01	OPEN
	YORKTOWN/323000E	RECEIPT		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VINCENNES (CG-49) MESSAGE	PROBLEM REPORT
	171120ZFEB01	
	USS VINCENNES (CG-49) MESSAGE	CORRECTED COPY PROBLEM REPORT
	230322ZFEB01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	260829ZFEB01	
	NAWC PT MUGU/313100E AWARS 10OCT01	MSL EN ROUTE TO CONUS

<b>ACTION :</b>	<b>USS NORMANDY (CG-60) CODR</b>	<b>V21449-01-0001</b>	<b>12FEB01</b>	<b>OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 105102			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 105102			

**DESCRIPTION:**

122230ZFEB01: USS Normandy (CG-60), reported that on 29 January 2001 while en route to AOC Yorktown, HARPOON PE25 canister missile S/N 105102 failed an "ARA NO-GO" BIT fault indication. During BIT operations the outside temperature was near freezing. The anti-icing heater unit was also used during test operations. BIT was performed five times with same results displayed on weapons panel. One of the cable connector pins was found to be corroded, and is suspect in causing BIT results. Saltwater intrusion may have been a factor. It was recommended that advanced connector waterproofing method be developed and install saltwater shields around missile connector units.

**ACTION TAKEN:**

200129ZFEB01: Requested defective missile S/N 105102 be inducted at AOC Yorktown for further tests and evaluation at the earliest opportunity. Missile is to be inspected for water intrusion.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 105102	24MAY01	OPEN
	YORKTOWN/323000E	AURT RESULTS		

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

**REFERENCES : IDENTIFICATION**

USS NORMANDY (CG-60) MESSAGE  
122230ZFEB01  
NAWC PT MUGU/313100E MESSAGE  
200129ZFEB01

**REFERENCE BRIEF**

PROBLEM REPORT  
  
INTERIM RESPONSE

**ACTION : USS BENFOLD (DDG-65) CODR R21940-01-0003 11FEB01 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001660			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001660			

**DESCRIPTION:**

110038ZFEB01: USS Benfold (DDG-65) reported that on 14 December 2000, while conducting a routine missile BIT, HARPOON thickwall canister missile S/N 001660 failed with a "SKR NO-GO" fault indication. Six BITs were performed with same result displayed on ship's weapons panel.

**ACTION TAKEN:**

210629ZFEB01: NAWC Pt. Mugu informed USS Benfold that the reported deficiency report had been received. Missile was off loaded on 18 January 2001 at NWS Seal Beach in condition code "J". It is scheduled for further shipment to AOC Yorktown when transportation can be made available.

30AUG01: HARPOON AWARS database SLITS information advises that NWS Seal Beach issued missile S/N 001660 to AOC Yorktown on 18 January 2001. AOC Yorktown took receipt of defective on 21 February 2001, in condition code "J", under document N00109-1052-4399. Missile remains in storage at AOC Yorktown pending maintenance induction.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 001660		COMPLETE 30AUG01
		YORKTOWN/323000E	RECEIPT		
		NAWC DET	MONITOR MSL 001660	28NOV01	OPEN
		YORKTOWN/323000E	INDUCTION		

**REFERENCES : IDENTIFICATION**

USS BENFOLD (DDG-65) MESSAGE  
110038ZFEB01  
NAWC PT MUGU/313100E MESSAGE  
210629ZFEB01  
NAWC PT MUGU/313100E AWARS SLITS  
30AUG01

**REFERENCE BRIEF**

PROBLEM REPORT  
  
INTERIM RESPONSE  
  
MSL INDUCTION STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS CAPE ST GEORGE CODR V21828-01-0002 23JAN01 OPEN  
(CG-71)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065162			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065162			

**DESCRIPTION:**

232211ZJAN01: USS Cape St. George (CG-71) reported that on 19 January 2001, during HARPOON missile off load preparations, HARPOON RGM-84D-4 missile S/N 065162 failed BIT. Water damage was detected in the port launch relay assembly. Water intrusion and corrosion damaged the launch relay assembly modules. Rubber seal on the launch relay assembly cover failed to prevent water intrusion, causing the reported damage. It was recommended the preventative maintenance service be updated for periodic material condition check of the launcher assembly cover seals.

**ACTION TAKEN:**

290129ZJAN01: NAWC Pt. Mugu acknowledged receipt of reported deficiency report, defining BIT failure of HARPOON missile S/N 065162. NSWC Port Hueneme was informed about the ship's port launcher system being corroded due to severe water intrusion. Launcher relay assembly cover rubber seal found to be defective, causing to water enter and caused corrosive damage to the module unit. Requested Port Hueneme to address this issue at the earliest opportunity.

09APR01: AWARS SLITS data is showing that on 07 March 2001, AOC Yorktown took receipt of missile S/N 065162 in condition code "J" and it was placed in storage pending maintenance induction.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 065162		COMPLETE 09APR01
		YORKTOWN/323000E	RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 065162	26SEP01	OPEN
			INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CAPE ST GEORGE (CG-71) MESSAGE	PROBLEM REPORT
	232211ZJAN01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	290129ZJAN01	
	NAWC PT MUGU/313100E AWARS SLITS	MSL INDUCTION STATUS
	09APR01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS CODR R21451-00-0004 14SEP00 OPEN**  
**CHANCELLORSVILLE**  
**(CG-62)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065379			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065379			

**DESCRIPTION:**

140915ZSEP00: On 13 September 2000, USS Chancellorsville (CG-62) was moored in Yokosuka Japan Harbor. BIT was being performed on all missiles aboard in accordance with Maintenance Requirements Card number 4821/400 R-11S. HARPOON missile PE25, S/N 065379 located at Cell number four failed BIT with a "SKR NO-GO" fault indication.

**ACTION TAKEN:**

180129ZSEP00: NAWC Pt. Mugu informed USS Chancellorsville that HARPOON missile deficiency report in reference to the BIT failure of missile S/N 065379 was received and action will be taken. Missile was to remain in condition code "J", and be shipped to AOC Yorktown at the earliest possible opportunity.

09APR01: AWARS SLITS data advises that defective missile S/N 065379 is at AOC Yorktown in condition code "J". No maintenance information available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL 065379		COMPLETE 09APR01
		YORKTOWN/323000E	YORKTOWN RECEIPT DATE		
		NAWC PT MUGU/313100E	MONITOR MSL 065379	26SEP01	OPEN
			MAINT INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CHANCELLORSVILLE (CG-62) MESSAGE	PROBLEM REPORT
	140915ZSEP00	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	180129ZSEP00	
	NAWC PT MUGU/313100E AWARS SLITS	MSL STATUS
	09APR01	



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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS KINKAID (DD-965) CODR R20576-00-0001 18JUL00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065455			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065455			

**DESCRIPTION:**

181545ZJUL00: USS Kinkaid (DD-965) reported that on 06 June 2000, while in port at Weapons Station Seal Beach, PE25 HARPOON Grade B Canister missile S/N 065455 failed on load missile BIT. Test performed in accordance with Maintenance Requirement Card 4821 R-11S (Missile BIT Procedures). The weapons system reflexive test verified the HARPOON weapons system working in proper order. With the passage of these tests confirms missile failure. BIT was performed four times with same "NO-GO" fault indication.

**ACTION TAKEN:**

010229ZAUG00: NAWC Pt. Mugu acknowledged receipt of HARPOON, PE25, Grade B Canister Missile S/N 065455 deficiency report. Disposition instruction provided instructing Weapons Station, Seal Beach to have missile shipped to AOC Yorktown at the earliest possible opportunity.

30OCT00: AWARS database advises that missile S/N 065455 was taken in receipt at AOC Yorktown in condition code "J" on 01 September 2000.

30MAR01: AWARS database advises that during a weapons inventory inspection missile S/N 065455 still in condition code "J" and at AOC Yorktown in storage.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 30OCT00
		YORKTOWN/323000E	065455 RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 065455	28OCT01	OPEN
			INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS KINKAID (DD-965) MESSAGE (EMAILED)	PROBLEM REPORT
	181545ZJUL00	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	010229ZAUG00	
	NAWC PT MUGU/313100E AWARS DATA 30OCT00	MSL RECEIPT STATUS
	NAWC PT MUGU/313100E AWARS DATA 30MAR01	MSL STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS PORT ROYAL CODR R21830-00-0002 25JUN00 OPEN  
(CG-73)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300321			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300321			

**DESCRIPTION:**

250155ZJUN00: USS Port Royal (CG-73) reported that while performing missile built-in-test in accordance with Maintenance Requirements Card R-11S, HARPOON RGM-84D-4, PE25, Grade-B Canister Missile S/N 300321 at cell number seven, failed with an "ARA NO-GO" fault indication displayed in ship's weapon panel. A satisfactory reflexive test confirmed missile BIT failure. Missile schedule for a 15 August 2000 off load at NAVMAG Lualualei HI.

**ACTION TAKEN:**

290429ZJUN00: NAWC Pt. Mugu acknowledged receipt of reported missile BIT failure of HARPOON PE25 missile S/N 300321 and concurred with the 15 August 2000 scheduled off load at NAVMAG Lualualei HI. Upon off load missile is to be transported to AOC Yorktown for further test and repair.

20DEC00: AWARS SLITS database is showing information stating that defective missile S/N 300321, in condition code "J", was received at AOC Yorktown on 11 October 2000.

09APR01: During an asset inventory at AOC Yorktown, missile S/N 300321, remains in condition code "J". No other information available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 20DEC00
		YORKTOWN/323000E	300321 RECEIPT		
		NAWC DET	PROVIDE MSL 300321		COMPLETE 09APR01
		YORKTOWN/323000E	STATUS		
		NAWC DET	FOLLOW-UP ON MSL	26SEP01	OPEN
		YORKTOWN/323000E	300321 STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PORT ROYAL (CG-73) MESSAGE	PROBLEM REPORT
	250155ZJUN00	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	290429ZJUN00	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E AWARS SLITS 20DEC00	MSL STATUS
	NAWC PT MUGU/313100E AWARS 09APR01	MSL STATUS

**ACTION : USS FLETCHER CODR R20839-00-0001 16MAY00 OPEN  
(DD-992)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085809			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085809			

**DESCRIPTION:**

160820ZMAY00: USS Fletcher (DD-992) reported that on 08 May 2000, while performing HARPOON missile on load BITs at NAVMAG Lualualei in accordance with Maintenance Requirement Card 4821/400 R-11S, missile S/N 085809 failed. Missile reflexive test was performed verifying proper equipment operation. BITs were conducted three times with each resulting in a "NO-GO" fault indication displayed on the weapons console."

**ACTION TAKEN:**

170029ZMAY00: NAWC Pt. Mugu informed USS Fletcher (DD-992) of deficiency report receipt. Requested missile S/N 085809 be placed in condition code "J" and off loaded at NAVMAG Lualualei as scheduled. Upon off-load NAVMAG Lualualei is to have missile shipped to AOC Yorktown at the earliest possible opportunity. Once at Yorktown missile will be tested to determine cause of BIT failure.

06APR01: NAWC Det Yorktown Monthly status report of April 2001, advises that AOC Yorktown took receipt of defective missile S/N 085809 in condition code "J" on 10 January 2001.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL 085809		COMPLETE 06APR01
	YORKTOWN/323000E	WPNSTA RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL 085809	27DEC01	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS FLETCHER (DD-992) MESSAGE 160820ZMAY00	PROBLEM REPORT

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	170029ZMAY00	
	NAWC PT MUGU/313100E STATUS REPORT	MSL RECEIPT
	06APR01	

**ACTION : USS MOBILE BAY                      CODR                      V21346-00-0001                      26JAN00 OPEN  
(CG-53)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300544, 300645, L0797			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300544, 300645, L0797			

**DESCRIPTION:**

260920ZJAN00: USS Mobile Bay (CG-53) reported that on 24 January 2000 missile BIT was being performed on three RGM-84D-4, PE25, HARPOON missiles (S/Ns L0797, 300544 and 300645), All three failed three successive BITs. BITs were performed during routine maintenance, and in accordance with Maintenance Requirement Card 4821/400 R-11S. Test results displayed on the weapons system unit, for all three missiles was a "SKR NO-GO" fault indication. Combined missile power on time for all BITs was 60 seconds. Launcher Relay Assembly modules check revealed no faults. Ambient temperature and heater power were not used during BIT.

**ACTION TAKEN:**

270729ZJAN00: NAWC Pt. Mugu requested USS Mobile Bay to have missile S/Ns L0797, 300544 and 300645 placed in condition code "J". They are to be off loaded at the earliest possible opportunity and forwarded to AOC Yorktown for further evaluation and "I" level testing. Its been advised that deficiency report shell remain open pending receipt, test and cause of failure been determined.

04AUG00: NAWC Det Yorktown status advises NAWC Pt. Mugu that missile S/N L0797 is currently enroute to AOC Yorktown.

30JUN01: AWARS SLITS information is showing that all three defective missiles (S/Ns L0797, 300544 and 300645) were in receipt at AOC Yorktown on 21 February 2001. They were in storage waiting maintenance induction.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	MONITOR MSL RECEIPT		COMPLETE 30JUN01
		YORKTOWN/323000E			
		NAWC PT MUGU/313100E	MONITOR MSLS RECEIPT		COMPLETE 04AUG00

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS**  
**SUMMARY** NAWC PT MUGU/313100E MONITOR MSLS INDUCTION 14JAN02 OPEN

**REFERENCES : IDENTIFICATION REFERENCE BRIEF**  
USS MOBILE BAY (CG-53) MESSAGE PROBLEM REPORT  
260920ZJAN00  
NAWC PT MUGU/313100E MESSAGE INTERIM RESPONSE  
270729ZJAN00  
NAWC DET YORKTOWN/323000E STATUS MSL LOCATION STATUS  
REPORT 04AUG00  
NAWC PT MUGU/313100E AWARS 30JUN01 MSL STATUS

**ACTION : USS VINCENNES CODR R21295-99-0001 10NOV99 OPEN**  
**(CG-49)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002446			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002446			

**DESCRIPTION:**

100815ZNOV99: USS Vincennes (CG-49) reported that on 09 November 1999 missile S/N 002446 at cell one failed two successive BITs. Both BITs resulted in a "SKR NO-GO" failure indication. Missile simulator test resulted in a "GO" indication. A cable continuity tests resulted in satisfactory "GO" conditions. BIT was performed in accordance with Maintenance Requirement Card 4821/400 R-11S maintenance procedures. On 20 March 1999 missile at cell one passed BIT. Ship's force suspect environmental condition a factor in what caused the reported BIT. Factor being that all canister missiles are exposed to extreme temperature variation over long periods during a given deployment. Missile been aboard since 24 September 1998.

**ACTION TAKEN:**

150029ZNOV99: NAWC Pt. Mugu provided disposition instructions for the shipment of missile S/N 002446.

25AUG00: In reference to AWARS, missile S/N 002446 is not in receipt at AOC Yorktown. AWARS SLITS data states that missile as of 13 June 2000 is enroute to AOC Yorktown. Missile still in condition code "J" status. NAWC Pt. Mugu to follow up on missile shipment status.

30MAR01: AWARS is showing a SLITS record stating that defective HARPOON missile S/N 002446 taken in receipt at AOC Yorktown on 11 January 2001 in condition code "F". No other information provided.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 25AUG00
		YORKTOWN/323000E	002446 RECEIPT		
		NAWC PT MUGU/313100E	MSL 002446 SHIPMENT		COMPLETE 30MAR01
			FOLLOWUP		
		NAWC PT MUGU/313100E	MONITOR MSL 002446	28SEP01	OPEN
			INDUCTION		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS VINCENNES (CG-49) MESSAGE	PROBLEM REPORT
		100815ZNOV99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		150029ZNOV99	
		NAWC PT MUGU/313100E AWARS 25AUG00	MSL LOCAL & STATUS
		NAWC PT MUGU/313100E AWARS 30MAR01	MSL RECEIVED

<b>ACTION</b>	<b>:</b>	<b>USS VINCENNES</b>	<b>CODR</b>	<b>R21295-99-0002</b>	<b>10NOV99 OPEN</b>
		<b>(CG-49)</b>			

	<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
			1657AS0302-30	1410	01-263-2928	PE25
			<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
			<b>S/N:</b> L1041			
	<b>FAILED PART:</b>		1657AS0302-30	1410	01-263-2928	PE25
			<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
			<b>S/N:</b> L1041			

**DESCRIPTION:**

100825ZNOV99: USS Vincennes (CG-49) reported that on 09 November 1999 ship's force was unable to perform BIT on missile S/N L1041 at cell eight. When missile control cable was attached to cell eight, the HARPOON light failed to illuminate precluding BIT. All troubleshooting test proved satisfactory. Ship's force suspect the inability to establish communications with missile at cell eight.

**ACTION TAKEN:**

150029ZNOV99: NAWC Pt. Mugu provided disposition instruction for missile S/N L1041.

25AUG00: In reference to AWARS, missile S/N L1041 currently not in receipt at AOC Yorktown. AWARS SLITS data states that missile as of 13 June 2000 is enroute to AOC Yorktown. Missile still in condition code "J" status. NAWC Pt. Mugu to follow up on missile shipment status.

23AUG01: AWARS database SLITS files is showing that fleet returned BIT failed missile S/N L1041 was received at AOC Yorktown on 11 January 2001. Missile had been placed in condition code "F". No other data available.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL S/N L1041 RECEIPT		COMPLETE 25AUG00
	NAWC PT MUGU/313100E	MSL L1041 SHIPMENT FOLLOW UP		COMPLETE 23AUG01
	NAWC PT MUGU/313100E	MONITOR MSL L1041 STATUS	21NOV01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VINCENNES (CG-49) MESSAGE 100825ZNOV99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 150029ZNOV99	INTERIM RESPONSE
	NAWC PT MUGU/313100E COMMENT 25AUG00	MSL SHIPMENT STATUS
	NAWC PT MUGU/313100E AWARS 23AUG01	MSL RECEIVED

**ACTION : USS YORKTOWN (CG-48) CODR/EMR V21225-99-0002 15OCT99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300053			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300053			

**DESCRIPTION:**

152309ZOCT99: USS Yorktown (CG-48) reported that on 12 October 1999, while underway, a HARPOON missile failed BIT at launcher cell two. PE25, HARPOON missile S/N 300053 was located at cell two during BIT. Missile BIT was performed three times. Each time BIT resulted in a "SKR NO-GO" fault indication on the weapons system panel. Total on time for missile was 114 seconds.

**ACTION TAKEN:**

200829ZOCT99: NAWC Pt. Mugu provided USS Yorktown with missile S/N 300053 disposition instructions.

25AUG00: NAWC Det Yorktown Status Report of 03 April 2000, identified missile S/N 300053 being received at Yorktown on 20 March 2000. As of 25 August 2000, missile had not been inducted into maintenance cycle.

30MAR01: AWARS database file is showing an inventory record of 21 February 2001, stating that faulty missile still in condition code "F" at AOC Yorktown.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 300053		COMPLETE 25AUG00
		YORKTOWN/323000E	RECEIPT		
		NAWC DET	MONITOR MSL 300053		COMPLETE 30MAR01
		YORKTOWN/323000E	MAINT INDUCTION		
		NAWC PT MUGU/313100E	MONITOR MSL 300053	28SEP01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS YORKTOWN (CG-48) MESSAGE	PROBLEM REPORT
	152309ZOCT99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	200829ZOCT99	
	NAWC DET YORKTOWN/323000E STATUS	MSL INDUCTION STATUS
	REPORT 25AUG00	
	NAWC PT MUGU/313100E AWARS 30MAR01	MSL TEST STATUS

<b>ACTION :</b>	<b>USS PORT ROYAL</b>	<b>CODR</b>	<b>R21830-99-0002</b>	<b>28SEP99 OPEN</b>
	<b>(CG-73)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300640			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300640			

**DESCRIPTION:**

281540ZSEP99: USS Port Royal (CG-73) reported that on 27 September 1999 while in port at Pearl Harbor and during routine maintenance for Combat Systems Readiness Review, PE25, RGM-84D-4, HARPOON missile S/N 300640 failed Maintenance Requirement Card R-11S missile "BIT NO-GO". Missile at time of BIT was located at Cell two two. Reflexive test on Cell two verified HARPOON Ship Launch Command System to be in satisfactory and serviceable status. Reflexive test results confirmed missile failure. Missile to be off loaded at MAVMAG Lualualei on 12 October 1999.

**ACTION TAKEN:**

300029ZSEP99: NAWC Pt. Mugu concurred with missile being off loaded at NAVMAG Lualualei for further transport to AOC Yorktown on 12 October 1999.

30JUN00: AWARS SLITS data as of 18 March 2000, fleet returned BIT failed missile S/N 300640 is currently enroute to NOC Det Port Hadlock WA. Missile remains in condition code "J".



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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

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30OCT00: AWARS SLITS data advises that AOC Yorktown took receipt of missile S/N 300640, in condition code "J", on 19 March 2000. No other data provided.

09APR01: AWARS SLITS data, as of 21 February 2001, is still showing missile at AOC Yorktown in condition code "J". No details provided.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	PROVIDE DATE OF MSL		COMPLETE 30OCT00
	YORKTOWN/323000E	300640 RECEIPT		
	NAWC PT MUGU/313100E	MONIOTR MSL 300640		COMPLETE 30OCT00
		HADLOCK OFFLOAD		
	NAWC PT MUGU/313100E	MONITOR MSL 300640	26SEP01	OPEN
		MAINT INDUCTION		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PORT ROYAL (CG-73) MESSAGE	PROBLEM REPORT
	281540ZSEP99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	300029ZSEP99	
	NAWC PT MUGU/313100E AWARS SLITS	MSL SHIPMENT STATUS
	30JUN00	
	NAWC PT MUGU/313100E AWARS 30OCT00	MSL STATUS
	NAWC PT MUGU/313100E AWARS 09APR01	MSL STATUS

<b>ACTION</b>	<b>: USS VICKSBURG</b>	<b>CODR</b>	<b>V21684-99-0002</b>	<b>20AUG99 OPEN</b>
	(CG-69)			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300838			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 087336			

**DESCRIPTION:**

201450ZAUG99: USS Vicksburg (CG-62) reported that on 03 September 1999 while in port at Mayport FL, PE25, HARPOON missile S/N 300838 failed BIT. The following missile fault indications were displayed on weapons panel: "GDS, SKR, DC/PS, ALT,ARA, DPC/MGU COMM". BIT fail codes indicates a communication problem between missile and ship's weapons system. Missile BIT was performed three times with same results.

**ACTION TAKEN:**

230129ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to conduct reverse process testing in reference to

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

missile failing aboard ship suspected of communication problem while missile BIT was being reformed.

25AUG00: In reviewing AWARS and all other missile maintenance database its been determined that AOC Yorktown came receipt of missile S/N 300838 on about 27 November 1999. Missile was inducted and failed the all-up-round test. Guidance section S/N 087336 found to have cause fleet failure.

30OCT00: Missile receipt date of 27 November 1999 was entered in error. AWARS SLITS data advises that missile S/N 300838 was received at AOC Yorktown on 19 October 1998. HARPOON AWARS maintenance data sheet, which was initiated on 02 May 1999, and advises that the missile had been inducted into the test and maintenance cycle. Incoming visual inspection revealed excessive corrosion on the exterior of the missile. Canister S/N GQN-0057 was removed due to excessive corrosion. Missile incoming test was performed on 04 May 1999. Test results conclude missile failed the following parameter:

5210 - Missile Power-up  
- 06 - Seeker Transmitter Hold-off Timer - PCode 2025  
- 07 - Seeker Transmitter Power Discrete - PCode 2072  
- 14 - ARA BIT - PCode 2014  
- 17 - Seeker BIT (Radiate) - PCode 2017  
- 20 - Avionics Bus Voltage - PCode 2020  
5310 - Seeker Status and Boresight  
5320 - Transmitter Characteristics  
5410 - ARA Tests  
9810 - Unit Under Test Power-down

Test results confirmed fleet reported missile BIT failure. The fault indications identify guidance section S/N 087336 to be the cause of the all-up-round failure. Guidance section was removed. Replacement guidance section installed. Missile S/N 300838 was returned to ready-for-issue status on 10 May 1999. Defective guidance section to be shipped to depot for further evaluation and test.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 300838		COMPLETE 25AUG00
		YORKTOWN/323000E	TESTING		
		NAWC PT MUGU/313100E	FOLLOW UP MSL 300838		COMPLETE 30OCT00
			AUR/SLT		
		NAWC PT MUGU/313100E	MONITOR G/S 087336	26SEP01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS VICKSBURG (CG-69) MESSAGE	PROBLEM REPORT
		201450ZAUG99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		230129ZAUG99	

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E AWARS/SLITS	MSL FAILED MSTs TEST
	DATABASE 25AUG00	
	NAWC PT MUGU/313100E AWARS DATA 30OCT00	MSL TEST FOLLOWUP INFO

**ACTION : USS YOUNG (DD-973) CODR R20599-99-0001 08AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001636			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001636			

**DESCRIPTION:**

082052ZAUG99: USS John Young (DD-973) reported that during HARPOON missile on load of RGM-84D-4, Canister missile S/N 001636 failed BIT. Missile failed three of three tests.

**ACTION TAKEN:**

300729ZAUG99: NAWC Pt. Mugu requested NWS Seal Beach to have missile S/N 001636 to AOC Yorktown at the earliest possible opportunity.

25AUG00: In reviewing available HARPOON databases, missile S/N 001636 currently not in receipt at AOC Yorktown. NAWC Pt. Mugu is conducting follow up action regarding the shipment of missile. The last location action code as of 10 June 2000, show missile still in receipt at NWS Seal Beach.

30MAR01: AWARS database is showing an inventory record dated 21 February 2001, stating that defective missile S/N 001636 to be at AOC Yorktown in condition code "J". Database displayed no other information available.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MISSILE		COMPLETE 25AUG00
	YORKTOWN/323000E	001636 RECEIPT		
	NAWC PT MUGU/313100E	CONDUCT MSL 001636		COMPLETE 30MAR01
		FOLLOW UP		
	NAWC PT MUGU/313100E	MONITOR MSL 001636	03OCT01	OPEN
		INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS YOUNG (DD-973) MESSAGE 082052ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	300729ZAUG99	

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E STATUS REPORT 25AUG00	MSL LOCAL STATUS
	NAWC PT MUGU/313100E AWARS REPORT 30MAR01	MSL INDUCTION STATUS

**ACTION : USS PRINCETON CODR R21447-99-0002 08JUN99 OPEN  
(CG-59)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 002387			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 002387			

**DESCRIPTION:**

081536ZJUN99: USS Princeton (CG-59) reported that on 6 June 1999, while conducting HARPOON missile routine preventive maintenance operation using Maintenance Requirement Card 4821/400 R-11S, PE25 RGM-84D-4 missile S/N 002387 in cell six failed BIT. Cell four passed using the HARPOON guided missile simulator unit. Missile was reconnected to system and it failed two additional BITs. Failures were consistent "NO-GOs" with "DPC/MGU, DC/PS, ALT, ARA & SKR" faults. Total missile on time was 30 seconds. Missile currently scheduled for off load June 1999 at WSF Seal Beach.

**ACTION TAKEN:**

150722ZJUL99: NAWC Pt. Mugu acknowledged receipt of deficiency report. Requested WSF Seal Beach to have missile S/N 002387 shipped to AOC Yorktown at the earliest opportunity. Yorktown upon receipt was to conduct reverse process as soon as possible.

30OCT99: NAWC Det Yorktown status report of 02 August 1999, it was stated that missile S/N 002387 was in receipt at Yorktown on 29 July 1999. Missile received in condition code "J".

07JUN00: NAWC Det Yorktown status report advises that missile still at Yorktown and remains in condition code "J".

08NOV00: NAWC Det Yorktown status report advises that missile still at Yorktown and remains in condition code "J".

09APR01: HARPOON AWARS database, as of 21 February 2001, is showing information stating that faulty missile S/N 002378 remains at AOC Yorktown in condition code "J". No other data available.

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 002387		COMPLETE 30OCT99
		YORKTOWN/323000E	RECEIPT		
		NAWC DET	MONITOR MSL 002387	01NOV00	OPEN
		YORKTOWN/323000E	AURT		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS PRINCETON (CG-59) MESSAGE	PROBLEM REPORT
		081536ZJUN99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		150729ZJUL99	
		NAWC DET YORKTOWN/323000E STATUS	MSL STATUS
		REPORT 30OCT99	
		NAWC DET YORKTOWN/323000E STATUS	MSL STATUS
		REPORT 07JUN00	
		NAWC DET YORKTOWN/323000E STATUS	MSL STATUS
		REPORT 08NOV00	
		NAWC DET YORKTOWN/323000E STATUS	MSL STATUS
		REPORT 09APR01	

<b>ACTION</b>	<b>:</b>	<b>USS MOBILE BAY</b>	<b>CODR</b>	<b>V21346-99-0005</b>	<b>25APR99 OPEN</b>
		<b>(CG-53)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 301094			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 301094			

**DESCRIPTION:**

250530ZAPR99: USS Mobile Bay (CG-53) reported that 21 April 1999, HARPOON, PE25, RGM-84D-4, Grade-B canister missile S/N L0797 failed missile BIT. Missile BIT was performed in accordance with instruction provided via Maintenance Requirement Card 4821/400 R-11S. During the three successive BITs missile was located in cell number one. Test results were as follows:  
1st BIT failed with a "COMM NO-GO" indication.  
2nd BIT failed with a "SKR NO-GO" indication.  
3rd BIT failed with a "ALT NO-GO" indication.  
All weapons system check passed with faults detected or noted. The combined missile power on-time for BITs were 60 seconds.

**ACTION TAKEN:**

270529ZAPR99: NAWC Pt. Mugu informed USS Mobile Bay that upon missile S/N L0797 receipt at AOC Yorktown that missile would be inducted at the earliest possible opportunity.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

161045ZJUN99: USS Mobile Bay (CG-53) informed NAWC Pt. Mugu and concerned activities that serial number of missile reported should have read S/N 301094 and not L0767 as was reported in original deficiency report.

170220ZJUN99: NAWC Pt. Mugu acknowledged receipt of corrected missile serial number, and requested that all deficiency related correspondence be corrected with the correct serial number.

23AUG00: According to SLITS data missile S/N L0797 remains in condition code "J" and currently in enroute to AOC Yorktown. No information available.

28NOV00: AWARS SLITS data advises that missile S/N 301094 was received at AOC Yorktown on or around 20 June 2000. Missile remains in condition code "J" awaiting maintenance induction. NAWC Det Yorktown Status Report of 8 August 2000 concurs with this receipt date. Note; disregard previously entered AWARS SLITS data regarding missile S/N L0797, it was entered in error.

01MAR01: NAWC Det Yorktown Status Report of 01 March 2001 advises that missile is still at AOC Yorktown and still await maintenance induction. Missile in condition code "J".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 28NOV00
		YORKTOWN/323000E	301094 RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL L0797 AURT		CANCELED 23AUG00
		NAWC PT MUGU/313100E	MONITOR MSL 301094	04JUN01	OPEN
			INDUCTION		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS MOBILE BAY (CG-53) MESSAGE	PROBLEM REPORT
		250530ZAPR99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		270529ZAPR99	
		NAWC PT MUGU/313100E MESSAGE	MISSILE SERIAL NUMBER
		170229ZJUN99	CORRECTION
		NAWC PT MUGU/313100E AWARS 23AUG00	MSL STATUS
		NAWC PT MUGU/313100E AWARS DATABASE	MISSILE INDUCTION STATUS
		28NOV00	
		NAWC DET YORKTOWN/323000E STATUS	MISSILE INDUCTION STATUS
		REPORT 01MAR01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS TICONDEROGA CODR V21281-99-0002 22APR99 OPEN  
(CG-47)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002169			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002169			

**DESCRIPTION:**

221715ZAPR99: USS Ticonderoga (CG-47) reported that on 23 March 1999, while performing Maintenance Requirement Card 4821/400 R-11S test in preparation for missile ammunition off-load scheduled for 25 March 1999, RGM-84D-4, PE25, HARPOON Grade-B canister missile S/N 002169, cell number two failed missile BIT. BIT failure occurred 20 seconds after BIT initiation. The weapons system identified failure as an "ARA NO-GO" fault. Harpoon Guided Missile Simulator testing obtained a system "GO" indication. This verified failure was in the missile. Note, BIT was conducted twice with same fault indication.

**ACTION TAKEN:**

271029ZAPR99: NAWC Pt. Mugu informed USS Ticonderoga that missile S/N 002169 remains at AOC Yorktown awaiting maintenance induction.

30MAY00: In reference to fleet returned missile S/N 002169, AWARS SLITS data show missile in receipt at AOC Yorktown. Missile in condition code "J", but, it had been inducted.

30DEC00: AWARS data is showing an inventory record dated 17 November 2000, entered by AOC Yorktown, stating that defective missile still at AOC Yorktown in condition "J".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR MSL 002169		COMPLETE 30MAY00
			RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 002169	28SEP01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS TICONDEROGA (CG-47) MESSAGE	PROBLEM REPORT
	221715ZAPR99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	271029ZAPR99	
	NAWC PT MUGU/313100E AWARS DATA 30MAY00	MSL RECEIPT STATUS
	NAWC PT MUGU/313100E AWARS 30DEC00	MSL TEST STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS COWPENS (CG-63) CODR R21623-99-0001 02MAR99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065227			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065227			

**DESCRIPTION:**

022335ZMAR99: USS Cowpens (CG-63) reported that on 17 February 1999 while conducting BIT on PE25, RGM-84D-4 Grade-B HARPOON Canister missile S/N 065227 a failure indication was displayed on weapons control indicator panel. Missile failed three out of three BITs performed. BIT performed in accordance with Maintenance Requirement Card 4821/400 R-11S. Missile logbook was annotated with BIT results. Duration of external power application unavailable due to the transfer of logbook to NWS Seal Beach. Missile was issued to Seal Beach in condition code "J" for further transport to AOC Yorktown.

**ACTION TAKEN:**

090029ZMAR99: NAWC Pt. Mugu requested WSF Seal Beach have missile shipped to Yorktown for further test and repairs.

08JUL99: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 065227 was in receipt at AOC Yorktown in condition code "J". Missile received on 19 April 1999. No details provided.

30DEC99: NAWC Det Yorktown Monthly report of 02 December 1999, advises that missile still in receipt at AOC Yorktown awaiting maintenance induction.

04AUG00: NAWC Det Yorktown Monthly report of 04 August 2000, advises that missile still in receipt at AOC Yorktown awaiting maintenance induction.

03JUL01: AWARS is displaying a SLITS record of 21 June 2001, showing data stating that defective missile S/N 065277 was received at Boeing on this date in condition code "J". No other information provided.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	NAWC DET	MONITOR MSL 065227	CANCELED 03JUL01
	YORKTOWN/323000E	INDUCTION	
	NAWC PT MUGU/313100E	MONITOR MSL 065227	CANCELED 04AUG00
		AURT	
	NAWC PT MUGU/313100E	MONITOR MSL 065227	COMPLETE 08JUL99
		AUR RECEIPT	



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

**ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS**  
**SUMMARY** NAWC PT MUGU/313100E MONITOR MSL 065227 03OCT01 OPEN  
STATUS

**REFERENCES : IDENTIFICATION REFERENCE BRIEF**  
USS COWPENS (CG-63) MESSAGE PROBLEM REPORT  
022335ZMAR99  
NAWC PT MUGU/313100E MESSAGE INTERIM RESPONSE  
090029ZMAR99  
NAWC DET YORKTOWN/323000E E-MAIL MSL IN RECEIPT AT YORKTOWN  
REPORT 08JUL99  
NAWC DET YORKTOWN/323000E STATUS MSL AURT STATUS  
REPORT 30DEC99  
NAWC DET YORKTOWN/323000E STATUS MSL AURT STATUS  
REPORT 04AUG00  
NAWC PT MUGU/313100E AWARS SLITS MSL RECEIVED DOP  
03JUL01

**ACTION : USS ANZIO (CG-68) CODR V21658-99-0001 29JAN99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300135			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300135			

**DESCRIPTION:**

291555ZJAN99: USS Anzio (CG-68) reported on 25 January 1999 missile BIT was being performed prior to missiles being off loaded at AOC Yorktown. BIT performed in accordance with Maintenance Requirement Card 4821/400 R-11S, canister missile BIT procedures. HARPOON RGM-84D-4 canister S/N 300135 failed three out of three BITs performed. Harpoon Guided Missile Simulator was used and verified HARPOON weapons system to be operational.

**ACTION TAKEN:**

011029ZFEB99: NAWC Pt. Mugu requested AOC Yorktown to process missile S/N 300135 as a condition code "J" asset. Also, requested CG-68 to provide detailed information regarding reported BIT failure.

051903ZFEB99: USS Anzio informed NAWC Pt. Mugu that Harpoon Guided Missile Simulator test was performed on the HARPOON weapons system with satisfactory results. System and missile cables were tested with no problem noted. Both these tests verified system to be in operating order.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

01MAR99: Missile was in receipt at AOC Yorktown on 27 February 1999. Unit currently awaiting induction.

04AUG00: NAWC Det Yorktown Status report of 04 August 2000, still showing missile S/N 300135 at AOC Yorktown, and remains in condition code "J". No other information provided.

30MAR01: AWARS database is showing an inventory record stating that as of 21 February 2001, AOC Yorktown is still in receipt missile S/N 300135 and remains to be in condition code "J".

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	PROVIDE MSL 300135 RECEIPT DATE		COMPLETE 01MAR99
	NAWC DET YORKTOWN/323000E	MONITOR MSL 300135 AURT		COMPLETE 30MAR01
	NAWC PT MUGU/313100E	FOLLOWUP MSL 300135 AURT		COMPLETE 23AUG00
	NAWC PT MUGU/313100E	MONITOR MSL 300135 INDUCTION	01OCT01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ANZIO (CG-68) MESSAGE 291555ZJAN99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 011029ZFEB99	INTERIM RESPONSE
	USS ANZIO (CG-68) MESSAGE 051903ZFEB99	MRC 4821 R-11S UPDATED MAR98
	NAWC PT MUGU/313100E PHONCON REPORT 01MAR99	MSL IN RECEIPT YORKTOWN
	NAWC DET YORKTOWN/323000E AWCAP REPORT 04AUG00	MSL PROCESSING STATUS
	NAWC PT MUGU/313100E AWARS 30MAR01	MSL INDUCTION STATUS

**ACTION : USS BRISCOE (DD-977) CODR V20603-98-0001 10JAN99 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002017			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002017			

**DESCRIPTION:**

102015ZJAN99: USS Briscoe (DD-977) reported upon request that missile S/N 002017 failed missile BIT. At time of BIT, missile was at weapon's launcher number seven. Missile BIT was run several times before cables were swapped with cables from another canister in order to try to identify cause of failure. Cables installed were

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

from another missile that had previously passed BIT. Subject missile again with same results. Harpoon Guided Missile Simulator unit was connected to cables in place of missile. Harpoon Guided Missile Simulator test passed with no failures noted. Original cables were reinstalled and again subject missile failed BIT. Missile external power time was two minutes. BIT failure was not an immediate indication. Failure occurrence was after several seconds.

**ACTION TAKEN:**

120429ZJAN99: NAWC Pt. Mugu informed USS Briscoe of the off loading of missile S/N 002017 at Yorktown on 18 October 1998, and a deficiency report was required.

202015ZJAN99: USS Briscoe cancelled the original deficiency report and resubmitted the deficiency under this message.

250129ZJAN99: NAWC Pt. Mugu requested USS Briscoe to provide the missile elapse time to "NO-GO".

291622ZJAN99: USS Briscoe informed NAWC Pt. Mugu that the elapse time to from test start to "NO-GO" failure was 15 seconds.

04FEB99: NAWC Det Yorktown Status report of 4 March 1999 it was advised that missile S/N 002017 was received at WSF Yorktown on 13 October 1998.

24JUN99: Upon review of HARPOON AWARS database maintenance data sheet initiated on 29 April 1999, regarding inspection and test of defective missile S/N 002017 the following has been incorporated. Inspection of logbook it was concluded that missile had failed BIT. Incoming visual inspection heavy signs of corrosion was in evidence. Canister S/N GQN-0095 was removed due signs of heavy corrosive and moisture intrusion. On 05 May 1999, with the canister removed, another visual inspection revealed excessive corrosion throughout all missile sections and booster unit. Per NAVAIR PMA it was directed that missile S/N 002017 remain in condition code "F", be placed in storage to await demilitarization instructions.

30OCT00: NAWC Pt. Mugu advises that with defective missile S/N 002017 being scheduled for demilitarization, no further action required. This action closes this deficiency report.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC PT MUGU/313100E	MONITOR MSL S/N 002017 "I" LEVEL TEST	COMPLETE 24JUN99	
		NAWC PT MUGU/313100E	FOLLOWUP MSL 002017 DEMIL OPS	COMPLETE 29DEC99	
		NAWC PT MUGU/313100E	REVIEW MSL 002017 DEMIL STATUS	COMPLETE 30OCT00	

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**PROBLEM NO: 13970**

**(Continued)**

**REFERENCES : IDENTIFICATION**

USS BRISCOE (DD-977) MESSAGE  
102015ZJAN99  
NAWC PT MUGU/313100E MESSAGE  
120429ZJAN99  
USS BRISCOE (DD-977) MESSAGE  
202015ZJAN99  
NAWC PT MUGU/313100E MESSAGE  
250129ZJAN99  
USS BRISCOE (DD-977) MESSAGE  
291622ZJAN99  
NAWC DET YORKTOWN/323000E STATUS  
REPORT 04FEB99  
NAWC DET YORKTOWN/323000E AWARS 24JUN99  
NAWC PT MUGU/313100E CLE COMMENTS  
30OCT00

**REFERENCE BRIEF**

PROBLEM REPORT  
  
CODR SUBMITTAL REQUEST  
  
CORRECTED COPY PROBLEM REPORT  
  
INTERIM RESPONSE  
  
SUPPLEMENTAL INFORMATION  
  
MSL IN RECEIPT AT YORKTOWN  
  
MSL AURT INCOMING VISUAL INSP  
DR CLOSURE

**ACTION : USS SHILOH (CG-67) CODR R21657-98-0001 28AUG98 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001662			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001662			

**DESCRIPTION:**

280513ZAUG98: USS Shiloh (CG-67) reported that RGM-84D-4, PE25, HARPOON (Grade-B) canister missile S/N 001662 located in cell number eight launcher failed BIT. Missile BIT was being performed in accordance with procedures provided in Maintenance Requirement Card-4821/400 R-11S. Test resulted in an "ALT NO-GO" fault indication as it was displayed on weapons system's control panel. BIT was repeated twice with same results. All other missiles passed BIT with no further problems.

**ACTION TAKEN:**

03FEB99: NAWC Pt. Mugu as of 03 February 1999 was not in receipt of a deficiency report reporting missile BIT as mentioned above. NAWC Det Fallbrook informed Pt. Mugu that missile S/N 001662 was off loaded from USS Shiloh and it had failed pre-offload BIT.

071029ZAPR99: NAWC Pt. Mugu informed USS Shiloh that a deficiency report had not been received reporting missile BIT failure.

081100ZAPR99: USS Shiloh had submitted a deficiency report VIA readdressal. NAWC Pt. Mugu was not one of the addressees. On 09

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

April 1999 USS Shiloh faxed a copy of their report (280513ZAUG98 refers).

09APR99: USS Shiloh faxed a copy of their readdressed deficiency report.

101600ZAPR99: USS Shiloh informed NAWC Pt. Mugu that deficiency report was submitted on 28 August 1998. It was informed that NAWC Pt. Mugu is one of the addressees for the submittal of reported deficiencies.

130029ZAPR99: NAWC Pt. Mugu informed USS Shiloh that missile S/N 001662 will be processed as an AWCAP fleet returned asset.

150729ZAPR99: NAWC Pt. Mugu informed USS Shiloh that the action regarding missile S/N 001662 will remain open pending the receipt of BIT failure analysis and repair report.

01JUN99: Missile arrived AOC YORKTOWN on 25 April 1999. Missile remains in condition code "J".

30NOV99: Review of the HARPOON AWARS database maintenance data system data sheet in regards to missile S/N 001662, the following maintenance actions took place. Sheet was initiated on 25 October 1999. During missile visual inspection, and review of log book it was concluded that missile had failed BIT aboard ship. Inspection revealed signs of excessive corrosion on missile canister S/N 040071. Unit removed for repairs. Incoming test was preformed on 26 October 1999, and missile failed below listed test modules:  
5345 - Seeker Range Rate/Static Angle & Angle Line of Sight Rate  
5512 - Altimeter Tests - Common  
Missile guidance section S/N 025205 was removed. Guidance section S/N 070026 was installed. On 27 October 1999, with replacement guidance installed, HARPOON missile body S/N 001662 passed retest. Removed booster section was reinstalled on 01 November 1999. A continuity test was performed and no problems noted. Canister S/N GQN-0039 was installed and another continuity test was preformed. Missile again passed with no problems noted and this time missile was returned to ready-for-issue status.

07JUL00: NAWC Det Yorktown informed NAWC Pt. Mugu that faulty guidance section S/N 025205 remains at AOC Yorktown in condition code "F". Unit awaiting induction for section-level-test.

30OCT00: AWARS database is displaying an inventory record showing that as of 26 September 2000, defective guide remains in storage at AOC Yorktown in condition code "F". No other details available.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR G/S 025205		CANCELED 30OCT00
	NAWC DET YORKTOWN/323000E	SLT RESULTS		
	NAWC DET YORKTOWN/323000E	PROVIDE MSL 001662		COMPLETE 30NOV99
	NAWC PT MUGU/313100E	AURT INFO		
	NAWC PT MUGU/313100E	MONITOR MSL 001662		COMPLETE 01JUN99
		RECEIPT		
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 025205 STATUS	08OCT01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SHILOH (CG-67) MESSAGE 280513ZAUG98	PROBLEM REPORT
	NAWC DET YORKTOWN/323000E EMAIL 03FEB99	INQUIRY OF NAWC PT MUGU CODR RESP.
	NAWC PT MUGU/313100E MESSAGE 071029ZAPR99	RESPONSE TO FOLLOW-UP REQUEST
	USS SHILOH (CG-67) MESSAGE 081100ZAPR99	READDRESSAL ORIGINAL CODR REQUEST
	USS SHILOH (CG-67) FAX 09APR99	FAXED CODR READDRESSAL
	USS SHILOH (CG-67) MESSAGE 101600ZAPR99	REPLY TO CODR REQUEST
	NAWC PT MUGU/313100E MESSAGE 130029ZAPR99	INTERIM RESPONSE
	NAWC PT MUGU/313100E MESSAGE 150729ZAPR99	ADDITIONAL INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL STATUS REPORT 01JUN99	MSL AT YORKTOWN CC-J
	NAWC PT MUGU/313100E AWARS DATABASE 30NOV99	MSL AURT RESULTS
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUL00	DR REMAINS OPEN PENDING SLT RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT00	GUIDE STATUS

<b>ACTION</b>	<b>: USS SAN JACINTO (CG-56)</b>	<b>CODR</b>	<b>V21389-98-0102</b>	<b>01AUG98 OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065424			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065424			

**DESCRIPTION:**

010735ZAUG98: USS Jacinto (CG-56) reported that during routine missile BIT, RGM-84D-4, NALC PE25, HARPOON missile S/N 065424 failed with a "SKR NO-GO" fault indication. Harpoon Guided Missile

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970****(Continued)**

Simulator BIT was performed successfully. Missile failed three of three BITs. Missile scheduled for off-load 28 September 1998. Missile was exposed to temperatures of greater than 100 degrees for about four months.

**ACTION TAKEN:**

050529ZAUG98: NAWC Pt. Mugu requested CG-56 to conduct missile BIT at cooler part of the evening. If BIT failure persist place missile S/N 065424 in condition code "J" and off-load as scheduled.

091947ZAUG98: CG-56 retransmission of reported deficiency changing the deficiency report serial number, line three, to 98-0102.

091948ZAUG98: CG-56 informed all concerned that all documentation regarding the reported BIT failure (missile S/N 065424) have been updated to reflect report serial number correction. Further BIT will be conducted and results will be submitted.

171549ZAUG98: CG-56 informed NAWC Pt. Mugu that missile continued to fail missile BIT at temperatures in low to mid eighties. Failure still display a "SKR NO-GO" fault indication.

151302ZOCT98: CG-56 again retransmitted subject deficiency report, canceling 091947AUG98. Missile continued to fail. There is a change in missile off-load schedule. The newly established Yorktown off-load date is slated for 02 November 1998.

200329ZOCT98: NAWC Pt. Mugu concurs with the newly established missile off-load date.

04NOV98: Per CAIMS/SLITS database missile was issued to AOC Yorktown on 04 November 1998 under Document number V21389-8305-8042. Missile remains condition code "J".

28DEC99: HARPOON AWARS maintenance data system data sheet, initiated on 25 October 1999, provided the following maintenance events regarding missile S/N 065424. On 25 October 1999, missile was inducted for fleet return incoming visual inspection. Log book show missile had failed BIT aboard ship. Canister S/N GQN-0015 was removed. Inspection revealed corrosion throughout exterior of the canister. Booster S/N 080084 was removed. No problems noted. The incoming visual inspection revealed no signs of damage or any other major deficiencies. On 26 October 1999, booster continuity test was performed. Unit passed with no deficiencies noted. Missile S/N 065424 fleet returned incoming test was performed. Test results confirmed fleet reported BIT failure. Missile failed test modules listed below and are indicative to a faulty guidance section:  
5210 - Missile Power-up

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5310 - Seeker Status and Boresight  
5320 - Seeker Transmitter Characteristics  
5410 - Seeker Direction Finding  
9810 - Unit Under Test Missile Power Down  
On 27 October 1999, in reference to fail codes stated above, missile guidance section S/N 077148 was removed. Replacement guidance section S/N 097175 was installed. Missile S/N 065424 passed the retest with no failures identified. Later on 01 November 1999, missile booster section 080084 was reinstalled. Missile S/N 065424 passed a pyro interface circuitry test. Canister S/N 040050 was installed. Rebuild up of missile S/N 065424 was completed. Missile passed another continuity test with no failures or other type of deficiencies noted. All-up-round missile S/N 065424 was returned to ready-for-issue status on 08 November 1999.

02JAN01: AWARS database is showing an inventory record stating that as of 26 September 2000, removed defective guidance section 077148 is still at AOC Yorktown. No maintenance data available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE G/S 077148		CANCELED 30JUN01
		YORKTOWN/323000E	SLT RESULTS		
		NAWC DET	MONITOR MSL S/N		COMPLETE 04NOV98
		YORKTOWN/323000E	065424 STA RECEIPT		
		NAWC PT MUGU/313100E	G/S 077148 STATUS	07OCT01	OPEN
			FOLLOWUP		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS SAN JACINTO (CG-56) MESSAGE 010735ZAUG98	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 050529ZAUG98	INTERIM RESPONSE
		USS SAN JACINTO (CG-56) MESSAGE 091947ZAUG98	CODR RETRANSMISSION/RPT SERNO CHANGE
		USS SAN JACINTO (CG-56) MESSAGE 091948ZAUG98	CONFIRMATION OF DOCUMENTATION CORRECTION
		USS SAN JACINTO (CG-56) MESSAGE 171549ZAUG98	BIT FAILURE PERSISTED
		USS SAN JACINTO (CG-56) MESSAGE 151302ZOCT98	DR RETRANSMITTED/NEWL OFFLOAD DATE
		NAWC PT MUGU/313100E MESSAGE 200329ZOCT98	NEW OFFLOAD DATE CONCURRED WITH
		NAWC PT MUGU/313100E CAIMS/SLITS DATABASE 04NOV98	MSL IN RECEIPT AT YORKTOWN
		NAWC PT MUGU/313100E AWARS DATABASE 28DEC99	MSL AURT RESULTS
		NAWC PT MUGU/313100E AWARS DATABASE 02JAN01	DEFECTIVE GUIDE STATUS



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**PROBLEM NO: 13970**

**(Continued)**

**ACTION : USS SAN JACINTO CODR V21389-98-0101 12JUL98 OPEN  
(CG-56)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 105102			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 105102			

**DESCRIPTION:**

120610ZJUL98: USS Jacinto (CG-56) reported that during a scheduled missile BIT, RGM-84D-4, HARPOON Grade B canister missile S/N 105102 failed in cell number one. Test resulted in a "SKR NO-GO" fault indication. BIT being performed in accordance with Maintenance Requirement Card 4821/R-11S (Step 1, 11d.2). Harpoon Guided Missile Simulator BIT was performed successfully. Missile all BITs conducted. Missile had been exposed to temperatures of greater than 100 degrees on a daily basis for four months.

**ACTION TAKEN:**

050529ZAUG98: NAWC Pt. Mugu provided CG-56 with missile S/N 105102 disposition instructions. Requested BIT be conducted at cooler part of the evening and submit results. If failure persist, placed missile in condition code "J" and ship to WSF Yorktown.

171549ZAUG98: CG-56 informed NAWC Pt. Mugu that BIT was performed in the evening when the temperatures were in the low to mid eighties. Missile failed with a "SKR NO-GO" fault indication.

151300ZOCT98: CG-56 again retransmitted subject deficiency report, canceling 120610ZJUL98. Missile BIT failure data still apply. There is a change in missile off-load schedule. The newly established Yorktown off-load date is slated for 02 November 1998.

200329ZOCT98: NAWC Pt Mugu concurred with newly established missile off-load date and the retransmittal of the deficiency report. Action activities were advised to adhere to directions previously provided.

01APR99: Missile S/N 105102 currently in receipt at AOC Yorktown. Missile still in condition code "J".

02DEC99: NAWC Det Yorktown Status report of 02 December 1999, informed NAWC Pt. Mugu that missile S/N 105102 was inducted for processing on 10 November 1999. Fleet reported missile BIT failure was confirmed. Missile guidance section S/N GQN-1262 found to be faulty.

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**PROBLEM NO: 13970**

**(Continued)**

30DEC00: Review of AWARS database showed, a HARPOON maintenance data sheet was initiated on 25 October 1999. The following actions were completed: On 25 October 1999 missile log book is showing that missile S/N 105102 had failed BIT. Inspection revealed excessive corrosion on the exterior of canister S/N GQN-0180. Canister was removed and rejected. Booster section S/N S/N 085196 was removed with no deficiencies noted, but the section required compliance with AWB-239. Missile incoming test was performed with missile failing the following test parameters:

5210 - Missile Power-up

5310 - Seeker Status and Boresight

5512 - Altimeter Tests -Common

Missile guidance section S/N GQN-1262 was removed for section level test. There is no indication that a section level test was performed. Because, on 09 November 1999 the removed guidance section was installed onto HARPOON missile body S/N 065490. On 10 November 1999, this missile with removed guide installed failed the all up round test parameter 5512 - Altimeter Tests, measurement no. 12 - Near Range Sensitivity. Guidance section S/N GQN-1262 was removed from the HARPOON missile body. Guide to be shipped to depot for further evaluation and tests.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 01APR99
		YORKTOWN/323000E	105102 LOCATION		
		NAWC DET	MONITOR GUIDE		COMPLETE 30DEC00
		YORKTOWN/323000E	GQN-1262 STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP ON MSL		COMPLETE 02DEC99
			105102 AURT		
		NAWC PT MUGU/313100E	MONITOR GUIDE	28SEP01	OPEN
			GQN-1262 SHIPMENT		
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS SAN JACINTO (CG-56) MESSAGE	PROBLEM REPORT
		120610ZJUL98	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		050529ZAUG98	
		USS SAN JACINTO (CG-56) MESSAGE	BIT FAILURE PERSISTED
		171549ZAUG98	
		USS SAN JACINTO (CG-56) MESSAGE	RETRANSMITTIAL OF DR
		151300ZOCT98	
		NAWC PT MUGU/313100E MESSAGE	CONCUR WITH NEW OFFLOAD DATE
		200329ZOCT98	
		NAWC PT MUGU/313100E E-MAIL REPORT	MSL 105102 AT YORKTOWN CC-J
		01APR99	

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E STATUS REPORT 02DEC99	MISSILE PROCESSING STATUS
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC00	GUIDANCE SECTION SHIPMENTS STATUS

**ACTION : USS LAKE CHAMPLAIN CODR R21428-98-0001 29APR98 OPEN  
(CG-57)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001827, 300891			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001827, 300891			

**DESCRIPTION:**

290045ZAPR98: USS Lake Champlain (CG-57) reported that while preparing to off-load HARPOON missiles at NWS Seal Beach, two RGM-84D-4 Grade B canister missiles failed BIT. Missiles PE25 S/N 001827 failed "SKR NO-GO" and PE24 S/N 300891 failed "ARA NO-GO" fault indications. Off-load scheduled for 28 April 1998. Missiles were last tested was on 19 May 1997, both passed on load BIT.

**ACTION TAKEN:**

300529ZAPR98: NAWC Pt. Mugu submitted disposition instructions to CG-57 requesting missiles be shipped to WSF Yorktown for further test and repair.

040329ZMAY98: Missile disposition instruction resubmitted.

24AUG98: NAWC Pt. Mugu was informed that NAWC Det Seal Beach assisted NWS Seal Beach with the off-load of CG-57 on 28 April 1998. Ship off loaded eight missiles. The two BIT failed missiles were among the eight off loaded.

11NOV99: NAWC Det Yorktown status report of 04 November 1999, is showing both missiles, S/Ns 001827 and 300891, being received at AOC Yorktown 02 November 1998.

04AUG00: NAWC Det Yorktown status report of 04 August 2000, is still showing the two fleet returned BIT failed missiles at AOC Yorktown in condition code "E". Deficiency reports to remain open pending missile testing and repair.

30JUN01: HARPOON AWARS database inventory records show missile S/N 300891 still at AOC Yorktown as 17 November 2000 and missile S/N

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**PROBLEM NO: 13970**

**(Continued)**

001827 there as of 16 February 2001. Both still in condition code "E". No other data available.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR BOTH MSLS INDUCTION		CANCELED 11NOV00
	NAWC PT MUGU/313100E	MONITOR MSL S/N 001827 AURT		CANCELED 30DEC99
	NAWC PT MUGU/313100E	MONITOR S/N 300891 AURT		CANCELED 30DEC99
	NAWC PT MUGU/313100E	FOLLOWUP MSL 001827 STATUS	28SEP01	OPEN
	NAWC PT MUGU/313100E	FOLLOWUP MSL 300891 STATUS	28SEP01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LAKE CHAMPLAIN (CG-57) MESSAGE 290045ZAPR98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 300529ZAPR98	MSL DISPOSITION INSTRUCTION
	NAWC PT MUGU/313100E MESSAGE 040329ZMAY98	CORRECTED COPY OF INTERIM RESPONSE
	NAWC PT MUGU/313100E COMMENT 24AUG98	MSL OFFLOAD ASSISTANCE
	NAWC DET YORKTOWN/323000E STATUS REPORT 11NOV99	MSL STATUS
	NAWC DET YORKTOWN/323000E STATUS REPORT 04AUG00	MSL STATUS
	NAWC PT MUGU/313100E AWARS DATABASE 30JUN01	STATUS OF MSLS

**ACTION : USS CHANCELLORSVILLE (CG-62) CODR R21451-98-0000 16APR98 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065124			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065124			

**DESCRIPTION:**

310229ZMAR98: NAWC Pt. Mugu informed USS Chancellorsville (CG-62) that NWS Seal Beach On load Report of 22 January 1998, stated that on 21 January 1998, NAWC Det Fallbrook assisted CG-62 with the off-load of eight Grade B HARPOON canister missiles. All eight missile passed BIT except RGM-84D-4, PE25, missile S/N 065124.

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**PROBLEM NO: 13970**

**(Continued)**

Missile currently at NWS Yorktown awaiting evaluation and testing. No conventional ordnance deficiency report submitted. NAWC Pt. Mugu requested CG-62 submit a deficiency report regarding the failure stated above.

160707ZAPR98: On 21 January 1998, aboard USS Chancellorsville (CG-62) RGM-84D-4, PE30, HARPOON Grade B Canister missile S/N 065124 failed BIT. Missile failed three consecutive BITs with "SKR NO-GO" fault indications. Missile off loaded NWS Seal Beach CA.

**ACTION TAKEN:**

210129ZAPR98: NAWC Pt. Mugu concurred with missile S/N 065124 being off loaded at NWS Seal Beach CA., on 21 January 1998. Missile to be shipped to NWS Yorktown for further test and repair.

01MAY98: NAWC Pt. Mugu Det Yorktown representative informed NAWC Pt. Mugu that missile S/N 065124 arrived in condition code "E" at NWS Yorktown on 18 February 1998.

30OCT00: AWARS database still showing missile S/N 065124 at AOC Yorktown in condition code "E" since Yorktown took receipt back on 18 February 1998. NAWC Det Yorktown monthly status report of 06 September 2000 refers. No details provided.

01MAR01: NAWC Det Yorktown monthly status report of 01 March 2001 and AWARDS data as of 26 February 2001 still showing data that missile S/N 065124 remains to be in condition code "E" at Yorktown. No details provided.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC PT MUGU/313100E	MONITOR MSL 065124		COMPLETE 01MAY98
			RECEIPT DATE		
		NAWC PT MUGU/313100E	MONITOR MSL S/N		COMPLETE 01MAY98
			065124 NWS RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 065124	15JAN02	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		NAWC PT MUGU/313100E MESSAGE	CODR REQUESTED
		310229ZMAR98	
		USS CHANCELLORSVILLE (CG-62) MESSAGE	PROBLEM REPORT
		160707ZAPR98	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		210129ZAPR98	
		NAWC DET YORKTOWN/323000E MONTHLY RPT	MSL AT YORKTOWN
		01MAY98	

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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E AWARS 30OCT00  
NAWC DET YORKTOWN/323000E STATUS  
REPORT 01MAR01

**REFERENCE BRIEF**

MSL STATUS  
MST STATUS

**ACTION : USS VINCENNES CODR R21295-98-0001 19MAR98 OPEN  
(CG-49)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1307, L1307, L1307			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097310, GQN-1309, GQN-1325			

**DESCRIPTION:**

190600ZMAR98: USS Vincennes (CG-49) report while deployed on 19 March 1998, RGM-84D-4 HARPOON Grade B, PE25 Missile S/N L1307 on fantail HARPOON weapon system cell two was inadvertently deleted from the TAC inventory within the AN/SWG-1A. While performing BIT to re-enter cell two into the TAC inventory, missile failed three times with a "SKR NO-GO" fault indication. BIT performed in accordance with Maintenance Requirement Card 4821/400 R-11S. Maintenance Requirement Card R-1 and six, preoperability, Harpoon Guided Missile Simulator Maintenance Requirement Card R-2 BIT were conducted on the HARPOON Weapon System with "GO" results. Harpoon Guided Missile Simulator also provided "GO" test results. Missile reflexive verified cable operability and continuity. Ignition cable stray voltage test, weatherproofing and HARPOON ground tests were completed with "GO" results. Missile again was tested with same "SKR NO-GO" fault code.

**ACTION TAKEN:**

250029ZMAR98: NAWC Pt. Mugu requested USS Vincennes to have missile shipped back to NWS Yorktown at the earliest possible opportunity.

300032ZMAR98: COMLOG WESTPAC informed CG-49 to coordinate with COMFLEACT Yokosuka to off-load missile S/N L1307 at the earliest available opportunity.

310337ZMAR98: USS Vincennes informed NAWC Pt. Mugu that missile S/N L1307 is scheduled for off-load between 5 - 8 May 1998 at COMFLEACT Yokosuka JA.

070129ZMAY98: NAWC Pt. Mugu concurs with the missile off-load schedule provided.

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**PROBLEM NO: 13970****(Continued)**

30MAY00: HARPOON AWARS database maintenance data system data sheet initiated on 28 October 1999 provides the following maintenance actions. On 28 October 1999, missile incoming visual performed. Log book entry advises that the canister was rejected for excessive corrosion. Canister S/N 020055 was removed from missile. Canister was placed in storage pending repairs. Booster section S/N 020123 also had to be removed for excessive corrosion. During missile incoming test of missile S/N L1307, missile body failed the following test parameters:

- 5160 - Missile Pre-Power Resistance Test
- 06 - Battery AC Heater Isolation - PCode - 1156
- 5210 - Missile Power-Up Test
- 17 - Seeker BIT (Radiate) - PCode - 2017
- 20 - Seeker BIT (Non-Radiate ) - PCode - 2024
- 5310 - Seeker Status and Boresight
- 5320 - Transmitter Characteristics
- 6010 - Control Actuator Test Part 1
- 6020 - Control Actuator Test Part 2
- 6040 - Control Actuator Test Part 3

The above failed codes are associated with guidance, sustainer and control section deficiencies. On 22 November 1999, missile guidance section S/N 097310 was removed. Guide held for section-level-test. If unit fails it will be placed under NAVAIR PMA DEMIL plan. Suspected sustainer and control sections were removed. Also, the warhead was removed and placed in condition code F. On 23 November 1999, guidance section S/N 097310 was inducted for incoming test and failed the below list of section-level-test parameters:

- 6700 - Guidance Section Power-Up Test
- 6810 - Seeker Static and Boresight
- 6820 - Transmitter Characteristics
- 9810 - Unit Under Test Power-Down

On 01 December 1999, warhead S/N L1307 was assembled using failed sections. Failed missile body was placed storage at AOC Yorktown pending disposition instructions. On 14 December 1999, defective guide S/N 097310 was assembled onto failed missile S/N L0062 and placed in storage pending disposition instructions. Guide is planned for DEMIL. On 17 April 2000, defective control section S/N GQN-1325 and sustainer section S/N GQN-1309 were assembled onto failed missile body S/N L0773. Unit was placed in storage pending disposition instructions.

30JAN01: NAWC Pt. Mugu AWARS data as of 02 January 2001 is still showing deficient sustainer S/N GQN-1309 and control section S/N GQN1325 to be at AOC Yorktown and still attached to deficient missile S/N L0773 which has been scheduled for DEMIL per HARPOON PMA. Note, the maintenance data sheet information entered on 30 May 2000 has been corrected relevant to the following. The fail codes associated with the missile incoming test are indications of a

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failed guidance, sustainer and control section. One code was entered in error. Failed PCodes added where required.

ACTION SUMMARY	: ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	NAWC PT MUGU/313100E	MONITOR C/S GQN-1325		CANCELED 30NOV00
		DOP STATUS		
	NAWC PT MUGU/313100E	MONITOR B/S 020123		CANCELED
		DOP STATUS		
	NAWC PT MUGU/313100E	MONITOR MSL S/N L1307 RECEIPT STATUS		COMPLETE 30NOV98
	NAWC PT MUGU/313100E	MONITOR MSL S/N L1307 AURT		COMPLETE 30MAY00
	NAWC PT MUGU/313100E	MONITOR G/S 097310		COMPLETE 30NOV00
		DOP STATUS		
	NAWC PT MUGU/313100E	MONITOR S/S GQN-1309	28AUG00	OPEN
		DOP STATUS		
	NAWC PT MUGU/313100E	B/S 020123 STATUS	28SEP01	OPEN
		FOLLOWUP		
	NAWC PT MUGU/313100E	S/S GQN-1309 STATUS	28SEP01	OPEN
		FOLLOWUP		
	NAWC PT MUGU/313100E	C/S GQN-1325 STATUS	28SEP01	OPEN
		FOLLOWUP		

REFERENCES	: IDENTIFICATION	REFERENCE BRIEF
	USS VINCENNES (CG-49) MESSAGE 190600ZMAR98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 250029ZMAR98	INTERIM RESPONSE
	COMNAVLOGPAC MESSAGE 300032ZMAR98	OFFLOAD CONCURRENCE
	USS VINCENNES (CG-49) MESSAGE 310337ZMAR98	MSL S/N L1307 SCHEDULED
		OFFLOAD DATES
	NAWC PT MUGU/313100E MESSAGE 070129ZMAY98	CONCURRENCE WITH MSL SCHEDULE
	NAWC PT MUGU/313100E AWARS 30MAY00	MDS MAINT DATA
	NAWC PT MUGU/313100E AWARS 30JAN01	SUST/CONT STATUS

**ACTION : USS TICONDEROGA CODR V21281-97-0001 04NOV97 OPEN (CG-47)**

END ITEM	: PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300120, 065311			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097054, 055131			



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**PROBLEM NO: 13970**

**(Continued)**

**DESCRIPTION:**

042113ZNOV97: USS Ticonderoga (CG-47) reported two RGM-84D-4, PE25 HARPOON missiles that failed BIT while performing Maintenance Requirement Card 4821/R-11S on 31 October 1997. BIT was being performed in preparation for ammunition off-load. Missiles off loaded 03 November 1997 at NWS Yorktown. BIT failure indication are as follows: At Cell Number one, RGM-84D-4, S/N 300120 failed within 17 seconds of BIT initiation. Failure indication was an "ARA NO-GO" fault code. The HARPOON Guided Missile Similar tested with a "GO" indication. Retest of missile resulted in same failure as the first BIT, but within 13 seconds. At Cell Number five, RGM-84D-4, S/N 065311 failed within 15 seconds of BIT initiation. Failure indication was "DPC/MGU COMM, DC/PS, ALT, ARA & SKR NO-GO" fault indication. Indication identifies a communication problem between the missile and the HARPOON Weapons System. The weapons system was tested with a "GO" indication. Retest resulted the same as the first BIT.

**ACTION TAKEN:**

120229ZNOV97: NAWC Pt. Mugu informed USS Ticonderoga that deficiency report was received and concurred with missiles being off loaded on 03 November 1997.

06JAN98: NAWC Pt. Mugu was informed by NWS Yorktown that both missiles (S/Ns 300120 and 065311) were received at Yorktown on 05 November 1997. Both missiles are currently awaiting testing.

24JUN99: Upon review of AWARS database maintenance data system sheet in response to the all-up-round test of missile S/N 065311, it can be concluded that on 26 April 1999 canister S/N 020050 was removed for excessive corrosion. Continuation of the incoming visual inspection, struck pins were found on all four of the wings and corrosion on control fins. During missile all-up-round incoming test missile failed the following parameters:

- 5210 - Missile Power-Up
- 9810 - Unit Under Test Power-Down
- 02 - MGU Communication Status - PCode -11022
- 03 - ARA BIT - PCode -11011
- 04 - Altimeter BIT- PCode -11012
- 05 - DCA BIT -PCode - 11013
- 06 - Seeker (Radiate) BIT - PCode -11014
- 07 - Gyros Up-Speed BIT - PCode -11015

Failure of the above codes identified guidance section S/N 055131 to be faulty. Guidance section was removed and placed on hold pending section-level-test. Fleet BIT failure was confirmed.

25JUN99: Upon the review of AWARS database regarding the all-up-round testing of missile S/N 300120, it can be concluded that

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on 19 April 1999 missile canister unit S/N GQN-0202 was removed because it required compliance with AWC-436. Missile body incoming test was completed also on 19 April 1999. The unit failed the following test parameters:

5210 - Missile Power-Up

14 - ARA BIT - PCode -2014

5410 - ARA Tests

18 - Z Accelerometer, Increment - PCode - 4023

19 - RMS Accelerometer, Increment - PCode - 4024

21 - MTS Slow Speed (left to right) - PCode - 4020

25 - MTS Yaw Discrete - PCode - 4026

Failure of the above codes identified guidance section S/N 097054 to be faulty. Guidance section was removed and placed on hold pending section-level-test. Fleet report BIT failure was confirmed.

22MAY00: NAWC Pt. Mugu CAIMS/SLITS database inventory listing of 22 May 2000, show defective guidance sections S/N 055131 and S/N 097054 still at AOC Yorktown in condition code "F". No details provided.

30OCT00: AWARS database as of 30 October 2000 is still showing defective guidance sections S/N 055131 and S/N 097054 in storage at AOC Yorktown in condition code "F". No details provided.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	MONITOR GUIDE 055131 STATUS		COMPLETE 30OCT00
		NAWC DET YORKTOWN/323000E	MONIOTR GUIDE 097054 STATUS		COMPLETE 30OCT00
		NAWC PT MUGU/313100E	MONITOR G/S 097054 DEPOT TEST		CANCELED 22MAY00
		NAWC PT MUGU/313100E	MONITOR G/S 055131 DEPOT TEST		CANCELED 22MAY00
		NAWC PT MUGU/313100E	MONITOR MSL 300120 AURT		COMPLETE 24JUN99
		NAWC PT MUGU/313100E	PROVIDE GUIDE 097054 STATUS	28OCT00	OPEN
		NAWC PT MUGU/313100E	PROVIDE GUIDE 055131 STATUS	28OCT01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS TICONDEROGA (CG-47) MESSAGE 042113ZNOV97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 120229ZNOV97	INTERIM RESPONSE
	NAWC PT MUGU/313100E E-MAIL REPORT 06JAN98	MISSILES IN RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E AWARS 24JUN99	MISSILE S/N 065311 TEST RESULTS

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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E AWARS 25JUN99  
  
NAWC PT MUGU/313100E AWARS DATABASE  
22MAY00  
NAWC PT MUGU/313100E AWARS 30OCT00

**REFERENCE BRIEF**

MISSILE S/N 300120 TEST  
RESULTS  
GUIDANCE SECTIONS  
STATUS/LOCATION  
ASSET STATUS REPORT

**ACTION : USS LAKE ERIE CODR R21827-97-0002 24AUG97 OPEN  
(CG-70)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-28	1410	01-263-2929	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065661, 085134			
<b>FAILED PART:</b>	1657AS0302-28	1410	01-263-2929	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065661, 085134			

**DESCRIPTION:**

240514ZAUG97: USS Lake Erie (CG-70) reports that missiles S/Ns 065661 and 085134 failed BIT while performing preventative maintenance check. Missile S/N 065661 identified as an RGM-84A and a "COMM" fault indication was displayed on the weapon's panel. Missile S/N 085134 displayed a "ALT NO-GO" on the weapon's panel. Both missiles are to be off loaded sometime in November 1997.

**ACTION TAKEN:**

020029ZSEP97: NAWC Pt. Mugu forwarded an acknowledgement report to USS Lake Erie. Requested missile BITs to be continued until missiles are off loaded in November and forward results of tests for evaluation.

03NOV97: NAWC Det Yorktown informed NAWC Pt. Mugu that missiles S/N 065661 and 085134 were off loaded at at NAVMAG Lualualei HI on 28 October 1997. Both awaiting shipment to NWS Yorktown.

01NOV99: According to Yorktown's monthly status report of 01 November 1999, missile was still located at NAVMAG Lualualei HI.

07AUG00: NAWC Pt. Mugu submitted an E-mail to the HARPOON inventory manager requesting the status of missile S/Ns 065661 and 085134. Last known location was NAVMAG Lualualei HI.

22AUG00: NALC Mechanicsburg, Code 41B E-mail of 22 August 2000, informed NAWC Pt. Mugu and NAVMAG Pearl Harbor that the inventory record still reports missiles being in Hawaii in condition code "F" under document number N49935-0171-5262 applies with missiles final destination being AOC Yorktown. NAVMAG informed that missile should

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be placed in condition code "J" and shipped on to Yorktown as requested earlier.

23AUG00: NAVMAG Pearl Harbor informed NAWC Pt. Mugu that missiles are being shipped via USS Shasta under document number N49935-0171-5262. They are being shipped as condition code "F".

30OCT00: NAWC Pt. Mugu AWARS data is showing information that both missiles, S/N 065611 and S/N 085134 were received at AOC Yorktown on 11 October 2000. Yorktown took receipt of missiles in condition code "F". Both placed in storage to await maintenance induction.

30MAR01: AWARS data is showing inventory records stating that as of 21 February 2001 both missiles, S/Ns 065661 and 085134 remains in condition code "F" at AOC Yorktown. No indication that missiles have been inducted for test or repairs. No other information available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAVMAG PEARL HARBOR	MSLS 065661 & 085134		COMPLETE 30OCT00
			STATUS		
		NAWC DET	PROVIDE MSL S/N		CANCELED 03SEP98
		YORKTOWN/323000E	085134 RECEIPT DATE		
		NAWC PT MUGU/313100E	PROVIDE MSL S/N		COMPLETE 26SEP97
			065661 RECEIPT DATE		
		NAWC PT MUGU/313100E	CONDUCT MSL		COMPLETE 07AUG00
			065661/085134 FOLLOUP		
		NAWC PT MUGU/313100E	MSLS 065661/085134	28SEP01	OPEN
			INDUCTION STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LAKE ERIE (CG-70) MESSAGE	PROBLEM REPORT
	240514ZAUG97	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	020029ZSEP97	
	NAWC DET YORKTOWN/323000E STATUS RPT	MSLS OFFLOAD LOCAL
	03NOV97	
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL LOCAL STATUS
	01NOV99	
	NAWC PT MUGU/313100E E-MAIL REQUEST	MSL SHIPMENT STATUS
	07AUG00	
	NAWC PT MUGU/313100E COMMENT 23AUG00	REQUEST MSLS BE SHIPPED
	NAWC PT MUGU/313100E AWARS 30OCT00	MSL STATUS
	NAWC PT MUGU/313100E AWARS 30MAR01	MST INDUCTION STATUS

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**ACTION : USS PRINCETON CODR R21447-97-0001 02JUN97 OPEN  
(CG-59)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300314			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300314			

**DESCRIPTION:**

022059ZJUN97: While conducting Maintenance Requirement Card 4821 R-11S BIT check aboard USS Princeton (CG-59) RGM-84D-4, S/N 300314 failed BIT. Missile was located in Cell number eight at time of BIT. The weapons system test was "GO". All three BITs were "SKR NO-GO". Total missile on-time was recorded at 68 seconds. Missile is to be off loaded on 27 August 1997 at NWS Seal Beach.

**ACTION TAKEN:**

290429ZSEP97: NAWC Pt. Mugu requested missile be shipped to NWS Yorktown for further tests and repair.

220429ZOCT97: NAWC Pt. Mugu concurred with missile off-load of 27 August 1997 at Seal Beach. Requested missile be shipped to Yorktown at the earliest possible opportunity.

30OCT99: NAWC Det Yorktown via a telephone conversation with NAWC Pt Mugu it was advised that NAWC Det Yorktown status report of 01 December 1998, confirmed being received at Yorktown on 2 November 1998. Missile received in condition code "J" and currently remains in condition code "J".

01NOV99: NAWC Det Yorktown's 01 November 1999 status report, informs NAWC Pt. Mugu that BIT failure was confirmed. Confirming BIT failure identified guidance section S/N 035077 cause of failure.

30NOV99: Review of AWARS maintenance data system data sheet, which was initiated on 19 October 1999, and in regards to BIT failure of missile S/N 300314, missile all-up-round-test was performed on 19 October 1999. However, during incoming visual inspection, water was removed from the canister. Canister S/N GQN-0144 was removed for excessive corrosion. Canister was placed in storage pending station repairs. Also, excessive corrosion was found on and around the EMI shield of booster section S/N GQN-0091. Missile incoming test resulted in missile failing test modules:

5210 - Missile Power-Up  
Block No. 3

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5410 - ARA Tests  
5512 - Altimeter Tests -Common  
5610 - FCE Tests  
6910 - ARA Test

On 20 October 1999, CAP/CAN Kit S/N 960493 was removed due to excessive corrosion and stuck pins. Another visual inspection of the missile revealed corrosion all missile sections. Note, maintenance data sheet made no reference to guidance section S/N 035077, or that it was removed for failing during missile all-up-round test as stated above. Above fail codes are indicative to a faulty guidance section. According to this sheet, missile placed in station storage pending DEMIL instructions from NAVAIR.

07JUN00: NAWC Det Yorktown E-mail Guidance Section status report of 07 June 2000, informed NAWC Pt. Mugu that faulty guidance section S/N 035077 was in receipt at AOC Yorktown. It remains in condition code "F" status. No other details provided. Deficiency report to remain open pending maintenance induction.

24OCT00: NAWC Det Yorktown e-mail dated 24 October 2000, advised NAWC Pt. Mugu that guidance section S/N 035077 stated in the 01 November 1999 Monthly status report was incorrectly reported. E-mail stated that guidance section S/N GQN-1160, sustainer section S/N 080567 and control section S/N GQN-0238 were the sections installed during the missile S/N 300314 all-up-round test conducted on 19 October 1999. Visual inspection revealed corrosion on all of the missile sections stated above. Missile being held for demilitarization.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR G/S 035077		CANCELED 07JUN00
		YORKTOWN/323000E	SLT RESULTS		
		NAWC DET	PROVIDE MSL 300314		COMPLETE 30NOV98
		YORKTOWN/323000E	RECEIPT DATE		
		NAWC DET	PROVIDE G/S 035077	26MAR01	OPEN
		YORKTOWN/323000E	SLT STATUS		
		NAWC PT MUGU/313100E	MONITOR MSL 300314		COMPLETE 30OCT99
			INCOMING TEST		
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S		COMPLETE 26DEC00
			035077 INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PRINCETON (CG-59) MESSAGE	PROBLEM REPORT
	022059ZJUN97	
	NAWC PT MUGU/313100E MESSAGE	EXHIBIT SHIPMENT
	290429ZSEP97	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	220429ZOCT97	

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E DET YORKTOWN	MSL STATUS
	PHONCON 30OCT99	
	NAWC DET YORKTOWN/323000E STATUS RPT	BIT FAILURE CONFIRMED
	01NOV99	
	NAWC PT MUGU/313100E AWARS DATABASE	AURT RESULTS
	30NOV99	
	NAWC PT MUGU/313100E AWARS SLITS DATA	GUIDE S/N CORRECTION
	24OCT00	

**ACTION : USS LAKE CHAMPLAIN CODR R21428-97-0001 23MAY97 OPEN  
(CG-57)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-31	1410	01-264-5490	PE86
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 151044, 151044, 151044			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 077172, A354599, A29205			

**DESCRIPTION:**

230107ZMAY97: USS Lake Champlain (CG-57) reported that RGM-84D-4, PE86 HARPOON missile S/N 151044 failed five BITs. First was an "ARA NO-GO" and the remaining four were "SKR NO-GOs". Harpoon Guided Missile Simulator test was satisfactory. Review of missile logbook revealed that no BITs were performed prior to missile being off loaded for last ship. Missile logbook indicated last BIT performed on 14 and 16 January 1997. Missile off-load date scheduled for 13 June 1997.

**ACTION TAKEN:**

290129ZMAY97: NAWC Pt. Mugu concurred with missile's off-load date. Weapons Station North Island, upon receipt of missile S/N 151044, ship it to Yorktown as soon possible for further tests.

31OCT97: Boeing Company St. Louis CETS report of October 1997 advises that missile S/N 151044 fleet BIT failure was confirmed during all-up-round test conducted at NWS Yorktown. Test results indicated that missile guidance section S/N 077172 was found to be faulty. Note; NAWC Det Yorktown informed Pt. Mugu that missile was received at Yorktown on 21 May 1997.

03NOV97: NAWC Det Yorktown status report of 03 November 1997 confirmed failure of guidance section S/N 077172. Missile all-up-round test was conducted on 28 October 1997.

28JAN98: AWARS database maintenance data system sheet agree that

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missile failed the all-up-round test on October 1997. The sheet provided the following maintenance actions: On 27 October 1997, during incoming visual missile log book was annotated that missile S/N 151044 failed fleet BIT. On 28 October 1997, during missile Subsystem Test Set all-up-round test missile failed the following test parameters:

5210 - Missile Power-Up

17 - Seeker (Radiate) - PCode 2017

20 - Avionics Bus Voltage (AC Low) - PCode 2020

Failed all of block 3

9810 - Unit Under Test Missile Power-Down

Guidance section S/N 077172 removed and replaced with S/N GQN-0924.

On 30 October 1997, removed booster section was reinstalled. A pyro interface circuitry test was performed and initiator S/N A34599 was replaced with S/N A28205. Circuitry test was again performed and missile passed with no deficiencies noted. Missile was returned to ready-for-issue status.

22NOV99: A review of HARPOON AWARS data, it can be concluded that defective guidance section S/N 077172 not to be in receipt at depot.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu via faxed report, that faulty guidance section S/N 077172, which failed during all-up-round testing of missile S/N 151044, remains in storage at AOC Yorktown in condition code "F" awaiting shipment to depot..

22JAN01: NAWC Pt. Mugu CAIMS data advises that faulty guidance section S/N 077172 remains at AOC Yorktown in storage. No details provided.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL S/N		COMPLETE 31OCT97
		YORKTOWN/323000E	151044 RECEIPT TEST		
			DATA		
		NAWC DET	MONITOR G/S 077172		COMPLETE 22NOV99
		YORKTOWN/323000E	SHIPMENT STATUS		
		NAWC DET	PROVIDE G/S 077172		COMPLETE 12JAN01
		YORKTOWN/323000E	FOLLOWUP		
		NAWC PT MUGU/313100E	MONITOR MSL 151044		COMPLETE 30OCT98
			AURT RESULTS		
		NAWC PT MUGU/313100E	GUIDE 077172 STATUS	17OCT01	OPEN
			REQUIRED		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LAKE CHAMPLAIN (CG-57) MESSAGE	PROBLEM REPORT
	230107ZMAY97	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	290129ZMAY97	
	MDA-EAST CETS REPORT 31OCT97	MISSILE AURT RESULTS



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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E AWCAP STATUS RPT 03NOV97	MSL G/S FAILED AURT
	NAWC PT MUGU/313100E AWARS DATABASE 28JAN98	MSL AURT RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 22NOV99	GUIDE LOCAL STATUS
	NAWC DET YORKTOWN/323000E FAXED STATUS REPORT 07JUN00	G/S IN WPNSTA STORAGE CC-F
	NAWC PT MUGU/313100E AWARS 22JAN01	GUIDE STATUS

**ACTION : USS CODR R21451-97-0002 06MAR97 OPEN**  
**CHANCELLORSVILLE**  
**(CG-62)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065162			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065162			

**DESCRIPTION:**

060552ZMAR97: While conducting pre-offload HARPOON missile BITs aboard USS Chancellorsville (CG-62), RGM-84D-4, PE25, canister missile S/N 065162, Cell one, failed with a "SKR NO-GO" indication. BIT was performed three times. All three times the Weapons Control Indicator Panel console displayed the same "NO-GO" indication. Inspection of the cables revealed noted discrepancies. Missile was placed in condition code "J".

**ACTION TAKEN:**

140129ZMAR97: NAWC Pt. Mugu reviewed the reported deficiency and provided the following disposition instructions. NWS Seal Beach was requested to have the missile shipped to NWS Yorktown at the earliest possible opportunity for further test and evaluation in order to confirm reported BIT failure. NWS Yorktown was requested that upon receipt of missile S/N 065162, conduct visual inspection and conduct an All-up Round Test as directed by instructions. Findings are to be forwarded to NAWC Det Yorktown. Det Yorktown is to prepare a report of findings and submit report to all concerned. If missile fails All-up Round Test, it was requested that S/Ns, P/Ns and the date these items were shipped to the depot be provided for further analysis.

10APR97: AWARS database SLITS data show NWS Yorktown took receipt of missile S/N 065162 on 02 April 1997. Missile was received in

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condition code "J".

10OCT98: AWARS database SLITS still show missile at Yorktown in condition code "J".

30APR99: AWARS database show the following maintenance actions: On 19 April 1999 - missile incoming inspection show log book was annotated that missile had failed BIT. Missile canister S/N 030080 was removed due to excessive corrosion found on the aft and bottom part of the canister. During incoming test missile failed the following parameters:

- 5210 - Missile Power-Up
- 01 - Avionics - PCode 2006
- 17 - Seeker BIT (Radiate) 2017
- 20 - Avionics Bus Voltage (AC LOW)
- 5310 - Seeker Status and Boresight
- 22 - Average AZ Gimbal Position - PCode 3023
- 23 - Average EL Gimbal Position - PCode 3024
- 24 - Average AZ LOSR - PCode 3117
- 25 - Average EL LOSR - PCode 3118
- 26 - Average Lock-On - PCode 3035
- 27 - Lock-On Discrete - PCode 3026
- 5320 - Transmitter Characteristics
- 6020 - Control Actuator Test Part 2
- 05 - No. 2 CW Switch Transition - PCode 10220
- 12 - No. 1 CCW Switch Transition - PCode 10325.1
- 9810 - Unit Under Test Power-Down
- 06 - Seeker (Radiate) BIT - PCode 11014

Results of all-up-round test confirmed missile reported BIT failure. On 20 April 1999 - Missile guidance section S/N 025062 and control section S/N GQN-0941 was removed. Replacement sections were installed. Missile passed the Missile Subsystem Test Set retest. Guidance being hold for section level testing. On 21 April 1999 with the same earlier removed booster, replacement guidance and control sections, missile was returned to ready-for-issue and condition code "A" status.

22MAY00: NAWC Pt. Mugu CAIMS/SLITS information database in reference to location of defective guidance section S/N 025062, it shows that guide in question remains at AOC Yorktown and still in condition code "F". No other details provided. Deficiency report to remain open pending guide being sent to depot or it be placed in deep storage at Letterkenny.

30MAY00: In reference to control section S/N GQN-0941 which had been removed from missile S/N 065162, as was stated above. Control section was found to be faulty from the test data presented. AWARS maintenance data sheet regarding this section was initiated on 03

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June 1999. It concluded that the faulty control section had been used to buildup a missile with faulty components. Maintenance data also conclude that this missile, S/N 301103, has been placed in demilitarization plan of action. As for control section S/N GQN-0941 no further action is warranted. This deficiency report to remain open pending continued testing and/or repair of faulty guide S/N 025062.

12DEC00: AWARS data follow up in reference to faulty control section S/N GQN-0941, which was removed from failed missile S/N 065162, was inducted for section level test on 24 May 1999. Unit failed the following test parameters:

8500 - Boattail Section Prepower Test  
8710 - Boattail Actuator Tests - Part 1  
8720 - Boattail Actuator Tests - Part 2

On 08 June 1999, defective control section was installed onto faulty HARPOON missile body S/N 301103, which is being shipped to depot for demilitarization.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	PROVIDE G/S 025062 TEST INFO		COMPLETE 30APR99
		NAWC DET YORKTOWN/323000E	MONITOR GUIDE 025062 STATUS		COMPLETE 12DEC00
		NAWC PT MUGU/313100E	MONITOR G/S 025062 DOP TEST		CANCELED 22MAY00
		NAWC PT MUGU/313100E	MONITOR C/S GQN-0941 DOP TEST		CANCELED 30MAY00
		NAWC PT MUGU/313100E	FOLLOWUP MSL LOCATION		COMPLETE 30APR97
		NAWC PT MUGU/313100E	FOLLOWUP ON MSL AURT RESULTS		COMPLETE 30APR99
		NAWC PT MUGU/313100E	G/S 025062 STATUS FOLLOWUP	28SEP01	OPEN
		NWS SEAL BEACH	SHIP MISSILE S/N 065162 TO YORKTOWN		COMPLETE 10APR97

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CHANCELLORSVILLE (CG-62) MESSAGE 060552ZMAR97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 140129ZMAR97	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS DATABASE 10APR97	MSL RECEIVED AT YORKTOWN/CC-J
	NAWC PT MUGU/313100E AWARS DATABASE 10OCT98	MSL LOCAL FOLLOWUP
	NAWC PT MUGU/313100E AWARS DATABASE 30APR99	MSL BIT FAILURE CNFRMD
	NAWC PT MUGU/313100E CAIMS/SLITS DATABASE 22MAY00	GUIDE STATUS

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**PROBLEM NO: 13970**

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b> NAWC PT MUGU/313100E AWARS MDS 30MAY00 NAWC PT MUGU/313100E AWARS 12DEC00	<b>REFERENCE BRIEF</b> CONT SCHEDULED FOR DEMIL MSL TEST DATA
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**ACTION : USS O'BRIEN (DD-975) CODR R20601-97-0001 25FEB97 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065301, 065301, 065301			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097130, 090160, 090175			

**DESCRIPTION:**

250831ZFEB97: USS Obrien (DD-975) reported that on 13 February 1997, while conducting BIT of RGM-84D-4, PE25 HARPOON missile S/N 065301 failed with a "SKR NO-GO" indication displayed on the HARPOON weapons control indicator panel console. BIT was being preformed in accordance with Maintenance Requirement Card 4821/400 R-11S prior to missile off-load. Missile failed four out of four BITs. HARPOON Guided Missile Similar BIT verified HARPOON Weapons System to be operational and failure to be within the missile.

**ACTION TAKEN:**

260229ZFEB97: NAWC Pt. Mugu has reviewed deficiency report and requested Obrien to provide additional data: time o "NO-GO" for each BIT, failed missile cell number, cable inspection results, total missile external power on-time, environmental and temperture condition at time of BIT, as directed by the Maintenance Requirement Card.

110028ZMAR97: COMFLTEACT Yokosuka, JA informed NAWC Pt. Mugu that missile S/N 065301 will be shipped to NWS Yorktown at the earliest available date under document number N61581-7038-X038.

170029ZJUN97: NAWC Pt. Mugu requested COMFLTEACT Yokosuka, JA to provide current disposition status of missile S/N 065301.

240018ZJUN97: COMFLTEACT Yokosuka, JA advises that missile S/N 065301 was being placed aboard USS Flint for shipment to NWS Yorktown.

25NOV98: AWARS database show missile S/N 065301 being in receipt at WSF Yorktown as of 07 March 1998. Missile remains in condition code "J".

20DEC98: AWARS database as of 12 October 1998 still showing missile

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**HARPOON ACTIVE  
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**PROBLEM NO: 13970**

**(Continued)**

at WSF Yorktown in condition code "J" awaiting maintenance induction.

29NOV99: AWARS database maintenance data system data sheet initiated on 19 October 1999 in reference to fleet returned missile S/N 065301. Incoming visual inspection was conducted, A log book entry stated missile had failed BIT while it was in the fleet. Canister S/N GQN-0164 was removed due to excessive corrosion. It was found on exterior of canister. Canister held in storage pending station repairs. Booster section S/N GQN-0760 displayed corrosion around the EMI shield, forward launch shoe and igniter units. CAP/CAN kit S/N 090065 was removed. Corrosion also found some of the wings and fins. Wing launch shoes pins were found stuck. Missile all-up-round incoming test was performed and missile failed the below listed test parameters:

- 5210 - Missile Power-up
- 04 - AC Phase C Current - P Code 2009
- 17 - Seeker BIT (Radiate) - P Code 2017
- 20 - Seeker BIT (Non-Radiate) P Code 2024
- 21 - Seeker P.S. Baseplate Temperature - P Code 2068

Above fail codes identified guidance section S/N 097130 as faulty unit. Missile guidance section was removed for further test. Replacement guidance section S/N 177022 was installed. On 20 October 1999 retest of missile was conducted and it failed the following MSTs parameters:

- 5310 - Seeker Status and Boresight
- 5320 - Seeker Transmitter Characteristics
- 6010 - Control Actuator Test Part 1
- 6020 - Control Actuator Test Part 2

Failure data here identified replacement guide and control sections as faulty assets. On 25 October 1999, defective guide S/N 117022 and control section S/N 090175 were removed base fail codes presented. Second replacement guide S/N 065043 and control section 020365 were installed. Another retest was performed. Again the missile failed. This time it failed test parameter number 5401 (title not available). On 27 October 1999, in reference to fail code 5401, sustainer section S/N 090160 was removed and replaced with sustainer S/N 020267. The missile was retested again, and again the missile failed. This time it failed module number 5795 (title not available). This time fail code identified faulty control section, therefore, control section S/N 020365 was replaced with control section S/N 145023.

On 28 October 1999, HARPOON missile body S/N 065301 passed the retest. On 09 November 1999, with a replacement booster section and canister installed, missile was returned to ready-for-issue condition code "A" status.

12JUN00: In reference to missile S/N 065301 failing during incoming

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test on 19 October 1999 as stated above on 29 November 1999, it can be concluded that fleet reported missile BIT failure was confirmed. On 12 June 2000 an E-mail was sent to Det Yorktown requesting that information be provided regarding booster section S/N GQN-0164, CAP/CAN kit S/N 090065, guidance section S/N 097130, control section S/N 090175 and sustainer section S/N 090160. As shown in the 29 November 1999 entry, these sections either failed during the incoming test or the retest of missile S/N 065301. According to Maintenance Data System sheet sections were removed and being held for induction and section level test.

21DEC00: In reviewing AWARS CAIMS database, defective control section S/N 090175 remains in condition code "F", and still in receipt at AOC Yorktown as of 15 November 2000. On 22 November 2000, sustainer section S/N 090160 passed section level test with no noted defects.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	PROVIDE SLT INFORMATION		COMPLETE 12DEC00
	NAWC DET YORKTOWN/323000E	G/S 090175 STATUS REQUIRED	21MAR01	OPEN
	NAWC PT MUGU/313100E	MONITOR MSL S/N 065301 RECEIPT DATE		COMPLETE 25NOV98
	NAWC PT MUGU/313100E	FOLLOWUP ON MSL STATUS		COMPLETE 20DEC98
	NAWC PT MUGU/313100E	FOLLOWUP ON MSL 065301 AURT RESULTS		COMPLETE 29NOV99

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS O'BRIEN (DD-975) MESSAGE 250831ZFEB97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 260229ZFEB97	INTERIM RESPONSE
	USS O'BRIEN (DD-975) MESSAGE 110028ZMAR97	MISSILE SHIPMENT DOCUMENT NR PROVIDED
	NAWC PT MUGU/313100E MESSAGE 170029ZJUN97	REQUESTED MISSILE DISPOSITION STATUS
	NAWC PT MUGU/313100E COMMENT 24JUN97	COMFLEACT FOLLOWUP
	NAWC PT MUGU/313100E AWARS DATABASE 25NOV98	MSL IN RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE 20DEC98	MSL STIL AT YORKTOWN CC-J
	NAWC PT MUGU/313100E AWARS DATABASE 29NOV99	MSL MAINTENANCE DATA
	NAWC PT MUGU/313100E E-MAIL 12JUN00	SECTION INFO REQUEST
	NAWC PT MUGU/313100E AWARS MDS/CAIMS DATA 21DEC00	SECTION STATUS

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**ACTION : USS CHOSIN (CG-65) CODR R21625-96-0003 13DEC96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1208			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1208			

**DESCRIPTION:**

130424ZDEC96: USS Chosin (CG-65) reported that while in port and conducting routine maintenance in reference to Maintenance Require Card 4821/400 R-11S, RGM-84D-4 HARPOON canister, grade B missile, S/N L1208, cell seven, failed BIT with a "SKR NO-GO" indication displayed Weapons Control Indicator Panel. Maintenance Requirement Card information provided:

BIT Failure Code: "SKR"

Missile On-time: "87 secs"

Run Time: "10 secs"

NOTE: Missile failed four out of four tests. Launcher Relay Assembly data input cables were disconnected and attached to the Harpoon Guided Missile Simulator in order to test the HARPOON weapons system and the test was "GO". The Launcher Relay Assembly data cables were reconnected and another BIT was conducted and the missile failed "SKR NO-GO" again. The Launcher Relay Assembly missile data cables were changed with one provided by FTSCPAC Det Port Hueneme. BIT was conducted again and same results were displayed on the Weapons Control Indicator Panel. The missile had passed the 24 June 1996 on load BIT. Missile is currently scheduled for a 06 January 1997 off-load at NAVMAG Lualualei.

**ACTION TAKEN:**

190029ZDEC96: NAWC Pt. Mugu has reviewed the contents of the reported deficiency and requested missile S/N L1208 to sent back to WSF Yorktown at the earliest opportunity.

160129ZJUN97: NAVMAG HI was requested to provide the disposition status of missile S/N L1208.

26SEP97: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N L1208 was received at NWS Yorktown on 01 September 1997.

05JUN98: AWARS database show missile still at Yorktown still in condition code "J".

30JUN99: AWARS database show missile S/N L1208 was inducted for incoming test on 21 April 1999. Missile failed the following

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**PROBLEM NO: 13970**

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all-up-round test parameters:

5340 - Direction Finding

5345 - Range Rate/Static Angle and Angle Line of Sight Rate

5355 - Reacquisition

5820 - Missile Sequence Part two

Guidance section S/N 055026 was removed and scheduled for shipment to depot. According narrative the test did confirm reported BIT failure.

26JUL01: In reference to guidance section causing missile failure, as stated above, the guidance serial number is in conflict with the Boeing Monthly Activity report of April 1999. Report provided by the Boeing Representative stationed at AOC Yorktown. It concluded that was guidance section S/N 055206 that caused the missile to fail. An e-mail was sent to AOC Yorktown AWARS manager requesting that clarification as to which guidance section failed during the 21 April 1999 all up round test of missile L1208.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET YORKTOWN/323000E	MONITOR MSL L1208 AURT		COMPLETE 30JUN99
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S 055026 DOP STATUS		CANCELED
		NAWC PT MUGU/313100E	MONITOR NWS RECEIPT OF MSL S/N L1208		COMPLETE 26SEP97
		NAWC PT MUGU/313100E	FOLLOWUP ON GUIDE TEST DATA	15JAN02	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CHOSIN (CG-65) MESSAGE 130424ZDEC96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 190029ZDEC96	INTERIM RESPONSE
	NAWC PT MUGU/313100E MESSAGE 160129ZJUN97	MSL DISPOSITION STATUS REQUESTED
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	YORKTOWN IN-RECEIPT OF MSL
	NAWC PT MUGU/313100E AWARS DATABASE 05JUN98	MSL NOT-INDUCTED
	NAWC PT MUGU/313100E AWARS DATABASE 30JUN99	MSL AURT TEST RESULTS
	NAWC PT MUGU/313100E E-MAIL 26JUL01	GUIDE TEST DATA FOLLOWUP



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**ACTION : USS VELLA GULF CODR V21829-96-0003 30SEP96 OPEN  
(CG-72)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105402			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> GQN-0177			

**DESCRIPTION:**

302020ZSEP96: USS Velle Gulf (CG-72) reported while at NWS Yorktown RGM-84D-4 HARPOON missile, S/N 105402, NALC PE24, failed an on load BIT. Failure code displayed on Weapons Control Indicator Panel was "ALT NO-GO". Heater power was applied and BIT was performed again. Missile failed three out of three BITs. Cables were replaced with known good cables and missile failed three additional BITs. Missile was off loaded on 24 September 1996.

**ACTION TAKEN:**

020029ZOE96: NAWC Pt. Mugu has reviewed the deficiency and responded that NWS Yorktown, upon receipt of missile S/N 105402, a visual inspection and an all-up-round test is to be performed. All failed sections and/or components to be shipped to depot for further test and repair.

31OCT96: MDA/NWS Yorktown Trouble Report No. 0003-1621 stated that on 09 October 1996 missile S/N 105402 was in receipt as a fleet returned BIT failure. During all-up-round-test reported BIT failure was confirmed. Missile guidance section S/N GQN-0177 was found to be defective section. Due to the lack of funds missile was reassembled. No other of maintenance details provided.

07MAR97: AWARS database maintenance data system sheet initiated on 08 October 1996 provided the following Missile Subsystem Test Set All-up Round test data regarding missile S/N 105402:

5210 - Missile Power-Up  
- 15 - Altimeter BIT - PCcode 2015  
907 in 5335 - Receiver SENS, STC, Search Pattern and False Alarm  
- 18 - STA Attenuation - PCcode 3167.1 (Engr Diagnostics only)  
aborted after measurement 18.  
Guidance section found to the fault unit.

12JUL99: NAWC Det Yorktown informed NAWC Pt. Mugu that defective guide still remains part of missile S/N 105402. Upon the removal and replacement of defective section, the faulty section will be sent to depot for further test and repair.

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23SEP99: AWARS database files, maintenance data system sheet initiated on 12 July 1999 is the continuation sheet of the one initiated back on 08 October 1996. Back then missile S/N 105402 had failed its initial incoming test. The failed guide was never removed as stated in the 12 July 1999 statement above. Here the faulty all-up-round was removed from storage. Canister S/N GQN-0276 was again removed and during a visual inspection there were signs of excessive corrosion. When this canister was removed back in July 1996 there was no mention of corrosion. As was stated in the 31 October 1996 entry above guidance section S/N GQN-0177 was found to be faulty. Finally on 12 July 1999 the failed guide was removed. The maintenance data sheet narrative comments that the bad guide to be held over for section test. Replacement guide and canister was installed, missile was returned to ready-for-issue status. No details provided regarding the failed units

30MAY00: DCMC Boeing Company missile section inventory report of 30 May 2000, informed NAWC Pt. Mugu that faulty guidance section S/N GQN-0177 to be at depot in condition code "F". It had not been inducted for test or repair. A follow up is in work.

15JAN01: AWARS data provides confirmation that as of 02 January 2001 defective guidance section S/N GQN-0177 still in receipt at The Boeing Company.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	DCMC BOEING ST LOUIS/RDOBA	MONITOR GUIDE S/N GQN-0177 STATUS		CANCELED
	NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N 105402 TEST REPORT		COMPLETE 31OCT96
	NAWC PT MUGU/313100E	MONITOR G/S GQN-0177 DOP TEST/REPAIR		CANCELED 30JUN99
	NAWC PT MUGU/313100E	FOLLOWUP G/S GQN-0177 SLT		COMPLETE 23SEP99
	NAWC PT MUGU/313100E	G/S GQN-0177 DOP REPAIR STATUS		COMPLETE 22AUG00
	NAWC PT MUGU/313100E	MONITOR GUIDE STATUS	14JAN02	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VELLA GULF (CG-72) MESSAGE 302020ZSEP96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 020029ZOCT96	INTERIM RESPONSE
	MDA-EAST TR NO. 0003-1621 31OCT96	MSL S/N 105402 FAILED AUR TEST
	NAWC DET YORKTOWN/323000E STATUS RPT 07MAR97	MSL S/N 105402 TEST FOLLOWUP
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 12JUL99	GUIDE STILL TO AUR

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E AWARS DATA 23SEP99	FAILED GUIDE REMOVED/AUR
	DCMC BOEING ST LOUIS/RDOBA FAXED	GUIDE STATUS
	REPORT 30MAY00	
	NAWC PT MUGU/313100E AWARS 15JAN01	GUIDE DOP STATUS

**ACTION : USS ANTIETAM (CG-54) CODR R21387-96-0013 16SEP96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-38	1410	01-263-2932	PE24
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300558			
<b>FAILED PART:</b>	1657AS0302-38	1410	01-263-2932	PE24
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300558			

**DESCRIPTION:**

162128ZSEP96: USS Antietam (CG-54) reported that RGM-84D-4, (PE24) HARPOON canister missile S/N 300558 was on loaded and the umbilical cables were connected in accordance with Maintenance Requirement Card 7211-900, A-2R. While conducting missile BIT using Maintenance Requirement Card 4821-400, R-11S, the missile failed three BITs with "SKR NO-GO" fault codes. Missile was off loaded and returned to NWS Seal Beach.

**ACTION TAKEN:**

170629ZSEP96: NAWC Pt. Mugu requested NWS Seal Beach to have missile S/N 300558 shipped to NWS Yorktown for further inspection and test.

26SEP97: NAWC Det Yorktown monthly status report informed NAWC Pt. Mugu that missile S/N 300558 was received at Yorktown on 16 December 1996.

12OCT98: AWARS database show missile still at WSF Yorktown in condition code "F" awaiting maintenance induction.

18MAY99: CAIMS database information show missile remains in condition code "F" at AOC Yorktown.

20MAR00: According to CAIMS database and an inventory of Yorktown's assets, missile S/N 300558 remains on station and still in condition code "F".

30OCT00: AWARS SLITS information, dated 20 March 2000, is still showing an inventory record for missile S/N 300558. Missile still at AOC Yorktown and remains in condition code "F". No details provided.

30JUN01: AWARS SLITS information, dated 16 February 2001, is still

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showing an inventory record for missile S/N 300558. Missile still at AOC Yorktown in condition code "F". No details provided.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	PROVIDE MSL 300558 AURT RESULTS		CANCELED 22NOV98
	NAWC DET YORKTOWN/323000E	PROVIDE MSL 300558 RECEIPT		COMPLETE 16DEC96
	NAWC DET YORKTOWN/323000E	FOLLOWUP ON MSL 300558 INDUCTION STATUS	14SEP00	OPEN
	NAWC PT MUGU/313100E	MONITOR MSL 300558 INDUCTION STATUS		CANCELED 24AUG97
	NAWC PT MUGU/313100E	FOLLOWUP MSL 300558 STATUS		COMPLETE 12OCT98

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ANTIETAM (CG-54) MESSAGE 162128ZSEP96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170629ZSEP96	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	MSL IN-RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE 12OCT98	MSL AWAITING MAINT INDUCTION
	NAWC PT MUGU/313100E CAIMS/SLITS 18MAY99	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E CAIMS/SLITS 20MAR00	MSL STILL AT YORKTOWN CC-F
	NAWC PT MUGU/313100E AWARS 30OCT00	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E AWARS 30JUN01	MSL INDUCTION STATUS

**ACTION : USS LAKE CHAMPLAIN CODR R21428-96-0002 12SEP96 OPEN (CG-57)**

<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002387, 065478, 300809, 300314, L0523, 065138, L1594, L1291, L1291			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002387, 065478, 300809, 300314, 035076, 077122, 055014, 065151, 070051			

**DESCRIPTION:**

122313ZSEP96: USS Lake Champlain (CG-57) reported that prior to 13 March 1996 missile off load, eight HARPOON PE25, RGM-84D-4 grade B

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**(Continued)**

canister missiles (S/Ns 002387, 065478, 300314, 300809, 065138, L0523, L1594 and L1291) failed BIT. BIT was being performed in accordance with Maintenance Requirement Card 4821/R-11S. Four had expired Maintenance Due Dates. Missiles were off loaded as scheduled. Missile logbooks were annotated to record BIT failures.

Note: Due to BIT failure of all eight missiles there is a high possibility the problem may be within the Weapons System aboard ship. Harpoon Guided Missile Simulator test could not be accomplished at time of BIT. Weapons System was not in operation during the eight month of ships Repair and Overhaul. CG-57 currently scheduled for HARPOON Weapons System material certification at NSWC Port Hueneme during the week of 14 October 1996. Tentative cause of deficiency is undetermined.

**ACTION TAKEN:**

170429ZSEP96: NAWC Pt. Mugu submitted the following disposition instructions regarding missiles. NAS North Island requested that missile S/N 300809 be shipped to NWS Yorktown for inspection and test. NWS Seal Beach requested that missile S/Ns L0523, L1291, L1594, and 065138 be shipped to NWS Yorktown for inspection and test. NSWC Port Hueneme requested to investigate the HARPOON weapon system aboard Champlain for any anomalies that may have attributed to the failure of the eight missiles.

Note: Missile S/N 300809 had previously failed on board USS Valley Forge. See USS Valley Forge 020341ZSEP96 message for reported deficiency (CG-50) 96-0002. NAWC Pt. Mugu 040229ZSEP96 message forwarded in response to the reported deficiency.

251510ZSEP96: Lake Champlain informed NAWC Pt. Mugu of the following information provided by FTSCPAC San Diego representative: With the assistance of ship's force, in accordance with Maintenance Requirement Card 4821/400 R-11S missile BIT was conducted aboard Lake Champlain using the HARPOON Guided Missile Test Set. All tests were completed with "GO" results. Ship's force and FTSCPAC representative believe the causes of failure were that a step was omitted from the Maintenance Requirement Card procedures. Omitted Step one has the setup steps for all switches except the training select switch. The Maintenance Requirement Card currently does not address the position of this switch. This switch must be in the norm position for missile BIT. The position of this switch is addressed in prerequisite check, Maintenance Requirement Card 4821/406 R-1, however, for ease of maintenance, it is suggested that the setup steps of Maintenance Requirement Card R-11S be revised to include the training select switch position. A Preventive Maintenance feedback report has been submitted.

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**PROBLEM NO: 13970****(Continued)**

13FEB97: NWS Seal Beach Missile Sentencing Inspection report of 13 February 1997 show HARPOON missile sentencing inspection being performed on the below listed PE25 missiles which was being off loaded on 14 March 1996. Inspection resulted in missiles being placed in condition codes as listed below:

L0523 - to condition code "E"  
L1291 - to condition code "E"  
L1594 - to condition code "E"  
002387 - to condition code "A"  
065138 - to condition code "E"  
065478 - to condition code "A"  
300314 - to condition code "A"  
300809 - to condition code "A"

Note: on 16 March 1996 missile S/Ns 002387, 065478 and 300314, were on loaded aboard USS Princeton (CG-59) condition code "A".

01JUL97: NWS Yorktown status report of 01 July 1997, advises that missile S/N 065138 was received at Yorktown on 25 November 1996. On 19 March 1997, the missile was processed through production at which time Guidance Section S/N 077122 failed the All-up Round Test. Unit was shipped to depot on 26 June 1997 via document No.

00109-7063-8042.

02JUL97: AWARS database HARPOON maintenance data system sheet initiated on 19 March 1997 regarding maintenance actions pertaining to fleet returned missile RGM-84D-4 S/N 065138: On 19 March 1997 missile passed the incoming visual inspection. Logbook stated missile failed BIT aboard ship. Booster section S/N 060046 was removed and required AWB-239 compliance. HARPOON Missile Body failed the incoming all-up-round test with the following result:

5340 - Direction finding  
5345 - Range Rate/Static Angle and Angle Line-of-Sight Rate  
5395 - Seeker Lock-On Monitor Summary

On 20 March 1997 guidance section S/N 077122 was removed and held over for Section Level Test. Guidance S/N 055411 was installed as the replacement unit. HARPOON missile body S/N 065138 passed the Missile Subsystem Test Set retest. Booster S/N 060046 was reinstalled. Missile canister S/N GQN-0385 was installed and the missile was returned to condition code "A".

03JUL97: AWARS maintenance data system sheet provided the following NWS Yorktown maintenance actions regarding missile S/N L0523: On 17 March 1997 an incoming visual inspection was conducted. On 18 March 1997 missile booster section S/N 060033, P/N 642AS0645-2 was removed, it required incorporation of AWB-239. The incoming all-up-round test was conducted on 19 March 1997, and failed the following parameters:

5320 - Transmitter Characteristics

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5330 - Static Accuracy and Range Search  
5340 - Direction Finding  
5345 - Range Rate/Static Angle and Angle LOS Rate  
5360 - Mode 1  
5395 - Seeker Lock-On Monitor Summary  
5512 - Altimeter Tests - Common  
5522 - Altimeter Tests - Honeywell

Guidance section S/N 035076 was removed on 20 March 1997 and held over for section level test. Replacement G/S S/N 055075 was installed and missile S/N L0523 was retested, and passed. On 24 March 1997, booster S/N 060033 was re-installed, canister S/N GQN-0071 installed and RGM-84D-4 (All-up round) passed the continuity test, and unit was returned Condition Code "A".

08JUL99: AWARS database maintenance data system, data sheet, regarding the section level test of failed guidance S/N 077122 was initiated on 10 April 1997. The guidance had previously failed during the incoming test of missile S/N 065138. See above entry. On 10 April 1997 guidance section failed parameters 6810m10 and 6845m19 during section level test. Guidance was packaged for shipment to depot for further test.

30OCT99: HARPOON AWARS database maintenance system data sheet regarding fleet returned BIT failed missile S/N L1594 was initiated on 07 April 1997. Missile incoming visual inspection was performed. There was an entry in the missile log book stating that missile S/N L1594 had failed BIT while aboard ship. Inspection of missile canister S/N GQN-0254 revealed bad pads. The canister was removed for repairs. Removed booster section S/N GQN-1288 required compliance with AWB-239. Booster revealed no noted deficiencies. An incomplete incoming test was performed. However, the missile failed the below listed parameters:

5335 - Receiver Sensitivity, STC, Search Pattern & False Alarm  
5340 - Direction Finding  
- 907 - Alarm Handler  
- 01 - Interrupt Type (see manual note)  
- 02 - Alarm Number  
5385 - BIT NO-GO (test incomplete)

Retest of missile confirmed guidance section to be faulty. On 08 April 1997, defective guidance section S/N 055014 was removed. Unit held for section-level-test. On 10 April 1997, defective guidance failed test parameter 6840 (Direction Finding) and measurement number five (one Degree Average AZ Slope). Bad guidance section held over in storage pending depot disposition. Missile received replacement guidance section S/N 107211. On 16 April 1997, missile S/N L1594 was returned to ready-for-issue status condition code "A".

30DEC99: AWARS database is showing faulty guide S/N 055014 being in

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deep storage at the Letterkenny Army Depot. No details provided.

30JAN00: In reference to fleet returned missile S/N 300809, since it was off load from USS Lake Champlain, a Missile Sentencing Inspection was conducted and missile was issued to USS Valley Forge where it failed BIT three times.

30OCT00: Follow up information from CAIMS data regarding failed missile S/N L1291, is provided: On 10 December 1996, AOC Yorktown took receipt of defective fleet returned missile. An AWARS maintenance data sheet was initiated on 07 April 1997. The data is showing missile being inducted for test and evaluation on 07 April 1997. A visual inspection of canister S/N 040084, revealed evidence of excessive corrosion. During all-up-round incoming test of missile, it failed the following test parameters and PCodes:

5130 - Missile Pyro Test

- 1 - Sustainer Pyro Isolation - PCode 1094
- 2 - AV Battery No. 1 Resistance - PCode 1097
- 3 - AV Battery No. 2 Resistance - PCode 1098
- 4 - EM Battery No. 1 Resistance - PCode 1095
- 5 - EM Battery No. 2 Resistance - PCode 1096
- 6 - Fuel Control N/O No. 1 - PCode 1099
- 7 - Fuel Control N/O No. 2 - PCode 1100
- 8 - Fuel Control N/C No. 1 - PCode 1101
- 9 - Fuel Control N/C No. 2 - PCode 1102
- 10 - Bleed Air Valve No. 1 - PCode 1103
- 11 - Bleed Air Valve No. 2 - PCode 1104
- 12 - Start Tank Valve No. 1 - PCode 1105
- 13 - Start Tank Valve No. 2 - PCode 1106
- 14 - Engine Start No. 1 - PCode 1107
- 15 - Engine Start No. 2 - PCode 1108

5320 - Transmitter Characteristics

- 9 - (See Volume II) - PCode 3080.1
- 10 - (See Volume II) - PCode 3081

5330 - Static Range Accuracy and Range Search/Massive Block 3 parameters.

The above parameters identify the failure of missile guidance section S/N 065151 and sustainer section S/N 070051. On 09 April 1997, the two faulty sections were removed. Missile control section S/N 060355 required compliance with AWB-333. Sustainer section S/N 070051 failed section level test parameter 7830 (Sustainer Pyro Test) and measures 3 through 23. Confirming sustainer failure. On 14 April 1997, faulty guidance section S/N 065151 also failed section level test parameter, block 18. Confirming guidance failure. Both sections were to be sent to depot for further test and repairs.

30NOV00: AWARS SLITS data is showing information where The Boeing Company took receipt of defective guidance section S/N 035076 on 26



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June 1997. Guidance was still in condition code "F".

27DEC00: NAWC Pt. Mugu was provided with information regarding repairs of guidance section S/N 065151. Depot Repair/Rework Order No. N73706XG was initiated on 24 June 1997 to track test and maintenance actions. Guide was tested and found seeker S/N 065239 to be defective. On 22 June 2000, guidance section S/N 065151 was returned to ready for issue condition code "A" status. Seeker repairs were not identified.

09JAN01: AWARS SLITS database shows both guidance section S/N 035076 and sustainer section S/N 070051 to be in condition code "F" at Letterkenny Army Depot. Last known action regarding guidance section S/N 077122 was on 12 August 1999, unit was in receipt at The Boeing Company in condition code "A". Guidance section S/N 055014 remains in storage at Letterkenny Army Depot in condition code "F". No other details available.

15JAN001: According to information provided, depot Rework/Repair Order No. N73707XG was assigned to track test and repairs of defective guidance section S/N 077122. Unit was received at The Boeing Company on 23 June 1997. It was inducted into the maintenance cycle on 27 April 1999. Test of the guide found seeker S/N 085067 (N73707XGS) and altimeter S/N 075314 (N73707XGA) faulty. Altimeter was repaired. On 15 July 1999, faulty seeker repairs was put under a long term funding hold. On 20 May 1999, guide tested "GO", and was returned to condition code "A" status on 11 August 1999. Prior to defective guidance section S/N 055014 being placed in deep storage at Letterkenny Army Depot, unit was processed at The Boeing Company under Rework/Repair Order No. N73702XG. Test found seeker S/N 065018 to be faulty. Guide and seeker repairs were denied. Assets were packaged and sent Letterkenny Army Depot.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	NAWC DET	OBTAIN MSLS 065138	COMPLETE 01JUL97
	YORKTOWN/323000E	NWS TEST REPORT	
	NAWC PT MUGU/313100E	MONITOR G/S S/N 065138 DOP TEST/REPAIR	CANCELED 02FEB99
	NAWC PT MUGU/313100E	MONITOR G/S 077122 DEEP STOW STATUS	CANCELED
	NAWC PT MUGU/313100E	MONITOR G/S S/N 035076 DOP DATA	COMPLETE 02FEB99
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 077122 STATUS	COMPLETE 30OCT00
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 035076 STATUS	COMPLETE 30OCT00
	NAWC PT MUGU/313100E	FOLLOWUP ON S/S 070051 STATUS	COMPLETE 09JAN01

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<b>ACTION : SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 065151 STATUS		COMPLETE 09JAN01
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 055014 STATUS		COMPLETE 09JAN01
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 077122 REPAIRS		COMPLETE 09JAN01
	NAWC PT MUGU/313100E	PROVIDE FOLLOWUP ON G/S 055014	28OCT99	OPEN
	NAWC PT MUGU/313100E	MONITOR S/S 070051 DEEP STOW STATUS	28OCT01	OPEN
	NAWC PT MUGU/313100E	MONITOR SKR 065239 REPAIRS	28OCT01	OPEN
	NAWC PT MUGU/313100E	MONITOR G/S 055014 DEEP STOE STATUS	28OCT01	OPEN
	NAWC PT MUGU/313100E	MONITOR G/S 035076 DEEP STOW STATUS	28OCT01	OPEN
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 035076 REPAIRS		COMPLETE 09JAN01

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LAKE CHAMPLAIN (CG-57) MESSAGE 122313ZSEP96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170429ZSEP96	INTERIM RESPONSE
	USS LAKE CHAMPLAIN (CG-57) MESSAGE 251510ZSEP96	DEFICIENCY FOLLOWUP
	NWS SEAL BEACH MSI REPORT 13FEB97	MSL S/N 300314 MSI'D
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 01JUL97	MSISSLE RECEIPT/TEST DATE
	NAWC PT MUGU/313100E AWARS DATABASE 02JUL97	NWS YORKTOWN INSP AND TEST DATA
	NAWC PT MUGU/313100E AWARS DATABASE 03JUL97	NWS YORKTOWN INSP/TEST RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 08JUL99	CG-50TEST DATA
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT99	MSL S/N L1594 AURT RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC99	FAULTY G/S REPAIR STATUS
	NAWC PT MUGU/313100E CLE COMMENTS 30JAN00	MSL 300809 FOLLOWUP
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT00	MSL L1291 FOLLOWUP
	NAWC PT MUGU/313100E AWARS SLITS 30NOV00	SUST 035076 STATUS
	NAWC PT MUGU/313100E AWARS DATABASE 27DEC00	GUIDE 065151 REPAIRS

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b> NAWC PT MUGU/313100E AWARS DATABASE 09JAN01 BOEING ST LOUIS R/RO DATA 15JAN01	<b>REFERENCE BRIEF</b> STATUS OF ASSETS  GUIDE REPAIR DATA
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**ACTION : USS VALLEY FORGE      CODR      R21296-96-0002      02SEP96 OPEN  
(CG-50)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300809, 300809, 300809, 300809			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097323, 300809, 090361, GQN-0152			

**DESCRIPTION:**

020341ZSEP96: USS Valley Forge (CG-50) reported that upon completion of on load, BIT was being performed on cell three port side fantail, HARPOON canister missile S/N 300809 (PE25) in accordance Maintenance Requirement Card 4821/400 R11S, resulting in "NO-GO" failure state . BIT was performed three times with same results on each attempt. Note, Logbook show data stating missile had failed a previous BIT on 12 March 1996. Missile passed sentencing inspection on 14 March 1996 and placed in condition code "A".

**ACTION TAKEN:**

040229ZSEP96: NAWC Pt. Mugu provided disposition instructions for missile S/N 300809 as follows: NAS North Island have missile shipped to NWS Yorktown. NWS Yorktown upon receipt of missile, have it inspected and perform Missile Subsystem Test Set All-up Round testing. NAWC Det Yorktown upon receipt of Yorktown's findings, prepare a report and submit it to Pt. Mugu.

12SEP96: Received a copy of missile logbook from NAWC Det Fallbrook, Code 321200E. Previous BIT failure entry of 12 March 1996 was confirmed.

20APR97: HARPOON AWARS maintenance data system sheet regarding the inspection and testing of HARPOON missile S/N 300809 was initiated on 07 April 1997. The following test and maintenance actions were performed: On 07 April 1997 missile passed the incoming visual inspection. Excessive corrosion was found on Canister S/N GQN-0152 requiring its removal. Booster section S/N 080002 was also removed. Incoming test was performed and missile failed the following test modules, measurement parameters and PCodes:  
5130 - Missile Pyro Test  
- 01 - Sustainer Pyro Isolation - PCode 1094

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- 02 - AV Battery No. 1 Resistance - PCode 1097
- 03 - AV Battery No. 2 Resistance - PCode 1098
- 04 - AV Battery No. 1 Resistance - PCode 1095
- 07 - Fuel Control N/O No. 2 - PCode 1100
- 08 - Fuel Control N/C No. 1 - PCode 1101
- 09 - Fuel Control N/C No. 2 - PCode 1102
- 11 - Bleed Air Value No. 2 - PCode 1104
- 12 - Start Tank Value No. 1 - PCode 1105
- 13 - Start Tank Value No. 2 - PCode 1106
- 15 - Engine Start No. 2 - PCode 1108
- 5160 - Missile Pre-Power Resistance Test
- 07 - Power Converter I/O Isolation - PCode 1157
- 08 - Power Converter Return I/O Isolation - PCode 1158
- 09 - Fire Detector sensor Isolation PCode 1159
- 10 - MGU Data Line/Input Power Fail Code - PCode 1177
- 11 - MGU Data Line/Input Power Isolation - PCode 1178

These fail codes are indicative to faulty guidance and sustainer sections. On 08 April 1997, due to missile failing all-up-round test, sustainer section S/N 090391 was removed and replaced with section S/N 090384. Control section S/N 090340 was removed. It required compliance with AWB-333. Section was reinstalled. Also, above failure codes indicated guidance section S/N 097323 to be faulty. Section was removed for section level testing. On 10 April 1997 faulty guidance section was replaced with S/N 025130. On 15 April 1997, missile retest was performed and missile failed the following:

- 5160 - Missile Pre-Power Resistance Test
- 07 - Power Converter I/O Isolation - PCode 1157
- 08 - Power Converter Return I/O Isolation - PCode 1158
- 10 - MGU Data Line/Input Power Fail code - PCode 1177
- 11 - MGU Data Line/Input Power Isolation - PCode 1178

Missile body was disassembled and warhead (NALC: VA32) marked for depot shipment. No details provided.

24APR97: AWARS maintenance system data sheet of 10 April 1997 for guidance section S/N 097323 show section had failed the following section-level-test modules numbers:

- 6700 - Guidance Section Power-Up Test
- 6810 - Seeker Status and Boresight
- 6820 - Transmitter Characteristics (ABORT BLK 18)
- 9810 - Unit Under Test Power-Down

These failure results confirmed guidance section to be faulty. Marked section for depot shipment. No indication guidance section was shipped.

30APR97: Maintenance data system sheet which was initiated on 14 April 1997 showing defective guidance section S/N 097323 being installed onto defective missile body S/N 300573. No reason for the

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installation of a failed section provided.

20APR98: AWARS database show no depot data (history) regarding guidance section S/N 097323. No available data to support weather failed guidance section was ever sent to the depot for further evaluation and test to confirm or not-to-confirm Missile Subsystem Test Set failure as stated above.

25AUG00: In reviewing AWARS database, defective guide as of 16 February 2000, remains in receipt at AOC Yorktown, still in condition code "F" and still part of condition "F" missile S/N 300573. NAWC Pt. Mugu will followup on action status of guidance section S/N 097323 maintenance action status.

09APR01: In reviewing AWARS SLITS data, information is showing defective sustainer section S/N 090361 to be in storage at The Boeing Company. It advises that as of 25 September 1997, sustainer section had been placed in condition code "H" status. Condition code "H" identify item was condemned. As of 2 January 2001, and in reference to faulty guidance section S/N 097323, it still remains with defective all-up-round S/N 300573 at AOC Yorktown in condition code "F". No Details provided.

16OCT01: AWARS data provided 25 August 2000 requires correction. Defective guidance section S/N 097323 after being installed onto HARPOON missile body S/N 300573, it was placed in storage at NWS Yorktown on 14 April 1997 pending shipment to the depot. All indications are showing missile body with defective guidance section installed still in receipt at AOC Yorktown. AWARS inventory records has not changed since 02 January 2001.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PREPARE MSL S/N		COMPLETE 20APR97
		YORKTOWN/323000E	300809 INSP/TEST		
			REPORT		
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S 097323		CANCELED 22AUG00
		NAWC PT MUGU/313100E	FOLLOWUP ON SUST		CANCELED
			090361 STATUS		
		NAWC PT MUGU/313100E	CHECK G/S 097323 LOCAL		COMPLETE 25AUG00
		NAWC PT MUGU/313100E	FOLLOWUP ON SUST		COMPLETE 09APR01
			090361		
		NAWC PT MUGU/313100E	FOLLOWUP ON GUIDE	14JAN02	OPEN
			097323 STAU		

  

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS VALLEY FORGE (CG-50) MESSAGE	PROBLEM REPORT
		020341ZSEP96	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		040229ZSEP96	

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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E FAXED REPORT  
12SEP96  
NAWC PT MUGU/313100E AWARS DATABASE  
20APR97  
NAWC PT MUGU/313100E AWARS DATABASE  
24APR97  
NAWC PT MUGU/313100E AWARS DATABASE  
30APR97  
NAWC PT MUGU/313100E AWARS DATABASE  
20APR98  
NAWC PT MUGU/313100E COMMENT 25AUG00  
NAWC PT MUGU/313100E AWARS SLITS  
09APR01

**REFERENCE BRIEF**

PREVIOUS BIT FAILURE  
VERIFIED IN LOGBOOK  
MSL MAINT DATA SYSTEM SHEET  
  
MSL G/S MAINT DATA SYSTEM  
SHEET  
G/S MAINT DATA SHEET FOLLOWUP  
  
G/S DEPOT MAINT DATA  
UNAVAILABLE  
SUST/GUIDE STATUS  
GUIDE STATUS

**ACTION : USS GATES (CG-51) CODR V21344-96-0001 26AUG96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-38	1410	01-263-2932	PE24
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300636			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 020119			

**DESCRIPTION:**

262210ZAUG96: USS Thomas S. Gates (CG-51) reported that during a scheduled Preventive Maintenance check, in accordance with Maintenance Requirement Card 4821/400 R-11S, HARPOON, RGM-84D-4, PE24, grade B canister missile S/N 300636 failed BIT after 18 seconds of initiation. Fault code was an "ALT NO-GO" indication. The HARPOON weapons system data cable connector was found to be clean and shown no physical damage. To ensure proper operation of the weapons system for cell circuitry, BIT was again conducted using data cable from another missile connected to another cell, and BIT gave a "GO" indication. BIT was verified by a representative from FTSC/LANT on 26 August 1996. Missile passed initial test during on load at NWS Earle on 07 February 1996.

**ACTION TAKEN:**

270329ZAUG96: NAWC Pt. Mugu provided USS Thomas S. Gates with disposition instruction for missile S/N 300636. Missile is to be shipped to NWS Yorktown. Yorktown upon receipt of missile conduct a visual inspection and have an All-up Round test performed to confirm fleet reported failure.

06JUN97: NWS Yorktown has informed NAWC Pt. Mugu that missile All-up Round test found sustainer section S/N 020119 to be faulty. Test

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results advises that the unit failed the pyro test.

15SEP97: Upon review of AWARS database maintenance data system sheet regarding missile S/N 300636 and the following maintenance actions were performed: On 17 March 1997 - Visual inspection revealed a hole in top of the Mk-7 Mod-1 canister. On 18 March 1997 - Canister S/N GQN-0084 removed. On 19 March 1997 - During incoming test missile S/N 300636 failed the following all-up-round Missile Subsystem Test Set test parameters:

5160 - Missile Pre-Power Resistance

06 - Battery AC Heater Isolation - PCode 1156

On 20 March 1997 - Sustainer section S/N 020119 was removed relevant to the failure codes resulting from the above. Faulty sustainer was replaced with S/N 100035. On 25 March 1997 - HARPOON missile body passed Missile Subsystem Test Set retest. No deficiencies noted. On 27 March 1997 - Upon completing the rebuildup of RGM-84D-4 missile S/N 300636, missile was returned to ready-for-issue status condition code "A".

30MAY00: DCMC Boeing Company St. Louis, missile section inventory report of 30 May 2000, show faulty sustainer section S/N 020119 in receipt at depot. Unit being tested and repaired under rework/repair order number N73754XJ. There is no available data in the AWARS database. Deficiency report to remain open pending receipt of depot maintenance and repair report.

07AUG01: AWARS database provides the following in reference to defective sustainer section S/N 020119. On 2 March 2001, defective sustainer section in condition code "F" was issued to Letterkenny Army Depot under document number N49935-1037-5255. Army Depot took receipt on 27 April 2001.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		DCMC BOEING ST	MONITOR S/S 020119		COMPLETE 09APR01
		LOUIS/RDOBA	TEST INDUCTION		
		NAWC DET	PREPARE RPT ON MSL		COMPLETE 06JUN97
		YORKTOWN/323000E	S/N 300636 INSP/TESTS		
		NAWC PT MUGU/313100E	MONITOR S/S 020119		CANCELED 30APR99
			DOP SHIPMENT		
		NAWC PT MUGU/313100E	FOLLOWUP ON S/S		COMPLETE 30MAY00
			020119 DOP STATUS		
		NAWC PT MUGU/313100E	MONITOR SUST 020119	05NOV01	OPEN
			DEPOT STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS GATES (CG-51) MESSAGE 262210ZAUG96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 270329ZAUG96	INTERIM RESPONSE
	NWS YORKTOWN/304 E-MAIL 06JUN97	AURT RESULTS

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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E AWARS DATABASE  
15SEP97  
DCMC BOEING ST LOUIS/RDOBA FAX REPORT  
30MAY00  
NAWC PT MUGU/313100E AWARS DATABASE  
07APR01

**REFERENCE BRIEF**

MSL MAINT ACTIONS  
  
SUST STATUS  
  
SUST STATUS

**ACTION : USS GETTYSBURG CODR V21624-96-0003 11AUG96 OPEN  
(CG-64)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-28	1410	01-263-2929	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300749			
<b>FAILED PART:</b>	1657AS0302-28	1410	01-263-2929	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300749			

**DESCRIPTION:**

111858ZAUG96: USS Gettysburg reported that while performing an underway Preventive Maintenance, RGM-84D-4 (PE25) missile S/N 300749 in Cell six failed two consecutive BIT attempts with the following "NO-GO" indications displayed on the Weapons Indicator Control Panel "DPC/MGU, DC/PS, ALT, ARA, SKR and COMM". These codes indicate a communication problem exist between the HARPOON Weapon System and the missile. Prior to testing the integrity of the HARPOON Weapon System, the weatherproofing was removed from the control cable at Cell six, and a small amount of water drained from the cable connector. Connector was heavily corroded. Canister cable connector appeared not to have been corroded or damaged. A replacement control cable was installed. Two passing BITs were accomplished using the Harpoon Guided Missile Simulator. Missile was reattached to Cell six, and it failed two additional attempts with the same "NO-GO" displays.

**ACTION TAKEN:**

130329ZAUG96: NAWC Pt. Mugu forwarded the following deficiency response: Pt. Mugu and NSWC Port Hueneme does not concur with reporting activity's recommendation to resume quarterly inspections and the replacement of the weatherproofing (as occurred prior to implementation of HARPOON PMS check Maintenance Requirement Card 7211/S-2R). Current procedures are cost effective and adequate. Close adherence of procedures during application of weatherproofing has proven to provide a watertight environment for connectors to over 95 percent of all in-service assets. USS Gettysburg off-load missile at the earliest opportunity for further transport to NWS Yorktown. NWS Yorktown upon receipt of missile, conduct a visual



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inspection, perform the reverse process, booster interface, and an All-up Round test in order to confirm type of failure. NAWC Det Yorktown upon receipt of Yorktown's inspection and test results, prepare a report of these findings and submit the report to Pt. Mugu.

07MAR97: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 300749 was received at Yorktown on 30 January 1997.

20NOV97: NAWC Det Yorktown HARPOON monthly status report of 03 November 1997 show missile still at NWS Yorktown in condition code "F". No details provided.

15JUN98: NAWC Det Yorktown HARPOON monthly report still showing missile at Yorktown awaiting to be inducted. Missile remains in condition code "F". No details available.

15JAN99: NAWC Det Yorktown informed NAWC Pt. Mugu that missile not being induction due to limited funding. No further details provided.

20MAR00: AWARS SLITS data as of 20 March 2000, show HARPOON missile S/N 300749 still in condition code "F" and still located at AOC Yorktown.

30JUN01: AWARS SLITS data as of 21 February 2001 show fleet returned missile S/N 300749 still in condition code "F" at AOC Yorktown. No details available.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	PROVIDE MSL 300749 AURT RESULTS		CANCELED 30SEP98
		NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N 300749 RECEIPT DATE		COMPLETE 03MAR97
		NAWC DET YORKTOWN/323000E	MONITOR MSL 300749 AURT	20NOV00	OPEN
		NAWC PT MUGU/313100E	FOLLOWUP ON MSL 300749 REPAIR STATUS		COMPLETE 20MAR00

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		NAWC PT MUGU/311200E MESSAGE 111858ZAUG96	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 130329ZAUG96	INTERIM RESPONSE
		NAWC DET YORKTOWN/323000E STATUS RPT 03MAR97	MSL IN-RECEIPT AT YORKTOWN
		NAWC DET YORKTOWN/323000E MONTHLY REPORT 20NOV97	MSL STILL IN RECEIPT AT YORKTOWN CC-F
		NAWC DET YORKTOWN/323000E MONTHLY REPORT 15JUN98	MSL STILL AT YORKTOWN IN CC-F

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**REFERENCES : IDENTIFICATION**

NAWC DET YORKTOWN/323000E MONTHLY  
REPORT 15JAN99  
NAWC PT MUGU/313100E AWARS DATABASE  
20MAR00  
NAWC PT MUGU/313100E AWARS DATABASE  
30JUN01

**REFERENCE BRIEF**

MSL STILL IN CC-F AT YORKTOWN  
MSL STILL IN CC-F AT YORKTOWN  
MSL STATUS

**ACTION : USS VELLA GULF CODR V21829-96-0001 30JUL96 OPEN  
(CG-72)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300602			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300602			

**DESCRIPTION:**

302000ZJUL96: USS Vella Gulf (CG-72) reported while conducting BIT on RGM-84D-4 HARPOON missile S/N 300602, the test results indicated a "SKR NO-GO". Missile heater power was applied and BIT was conducted again. Missile failed three consecutive BITs. BIT failures were observed by FTSCLANT representative.

**ACTION TAKEN:**

310629ZJUL96: NAWC Pt. Mugu requested NAVSTA Norfolk have missile S/N 300602 shipped to NWS Yorktown and provide Pt. Mugu with shipping information.

26SEP97: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 300602 was received at Yorktown on 01 August 1996.

06MAR98: NAWC Pt. Mugu was informed of missile still at WSF Yorktown awaiting maintenance processing.

09APR99: NAWC Det Yorktown via Monthly HARPOON status report informed NAWC Pt. Mugu that missile still remains at AOC Yorktown and still awaiting maintenance action.

30OCT99: Review of CAIMS/SLITS database provided the following missile inventory data regarding status of PE25 HARPOON missile S/N 300602. On 31 July 1996, missile in condition code "F" was issued to NWS Yorktown via Document number V21829-6211-8036. On 01 August 1996, at Yorktown missile's condition code "F" was changed to condition code "E". On 24 August 1998, there's an entry in CAIMS/SLITS commenting that an accounting error loss occurred.

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However, on 12 October 1998, there was a database adjustment to fix the error.

20MAR00: According to CAIMS/SLITS database, an inventory record was entered on 20 March 2000 showing missile still in condition code "E" at AOC Yorktown.

01APR00: A review of AWARS show missile S/N 300602 still at AOC Yorktown, and it remains in condition code "E".

04AUG00: NAWC Det Yorktown weapons status report advised NAWC Pt. Mugu that missile still at AOC Yorktown, but not inducted. Note, HARPOON CLE has directed that due to restraints on maintenance funding, testing of fleet returns missiles will be conducted on an as required bases.

16FEB01: According to AWARS inventory record of 16 February 2001, missile S/N 300602, condition code "E", remains in receipt at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	SUBMIT MSL 300602 INSP/AURT REPORT		CANCELED 20JUN00
		NAWC DET YORKTOWN/323000E	PROVIDE MSL 300602 AURT STATUS		CANCELED 30OCT00
		NAWC DET YORKTOWN/323000E	PROVIDE MSL 300602 RECEIPT DATE		COMPLETE 26SEP97
		NAWC PT MUGU/313100E	FOLLOWUP MSL 300602 STATUS	28OCT01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VELLA GULF (CG-72) MESSAGE 302000ZJUL96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 310629ZJUL96	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	MSL IN-RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E STATUS RPT 06MAR98	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E STATUS RPT 09APR99	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E AWARS CAIMS/SLITS 30OCT99	MSL INVENTORY ACCOUNTING ERROR
	NAWC PT MUGU/313100E CAIMS/SLITS 20MAR00	MSL STILL AT AOC YORKTOWN
	NAWC PT MUGU/313100E AWARS CAIMS/SLITS 01APR00	MSL LOCATION
	NAWC PT MUGU/313100E YORKTOWN E-MAIL RPT 04AUG00	MSL TESTING STATUS
	NAWC PT MUGU/313100E AWARS 16OCT01	MSL STATUS

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**ACTION : USS VELLA GULF CODR V21829-96-0002 30JUL96 OPEN  
(CG-72)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300551			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300551			

**DESCRIPTION:**

302001ZJUL96: USS Vella Gulf (CG-72) reported while conducting missile BIT on RGM-84D-4 HARPOON missile S/N 300551, NALC PE25, failed with an instant "NO-GO" indication, which suggest a communication problem between the HARPOON Weapons System and the missile. With the missile heater power applied, BIT was conducted again resulting in another "NO-GO" display. The HARPOON Guided Missile Simulator unit was installed and the system tested satisfactory. BIT was again run under the supervision of an FTSC/LANT representative and the same "NO-GO" displayed on the panel. The external power was measured at the canister end of the control cable with satisfactory results. Phase power tested satisfactory for missile external power. The missile was tested with a good set of control cable, same "NO-GO" indication was displayed.

**ACTION TAKEN:**

310629ZAUG96: NAWC Pt. Mugu informed USS Vella Gulf (CG-72) that upon off load of missile S/N 300551, currently scheduled 23-27 September 1996, have missile marked for further transport to NWS Yorktown. Requested missile be placed in condition code "J".

26SEP97: NAWC Det Yorktown informed Pt. Mugu that missile was received at Yorktown on 24 September 1996.

01NOV99: According to HARPOON Status Report submitted by NAWC Det Yorktown, dated 01 November 1999, missile S/N 300551 still at AOC Yorktown. Missile condition code "J" had been changed to condition code "F" and placed in storage.

08JUN00: NAWC Det Yorktown Status Report of 08 June 2000 still show missile in storage at AOC Yorktown in condition code "F".

30JUN01: AWARS SLITS data still showing missile S/N 300551 at AOC Yorktown in condition code "F". No other data available.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	NAWC DET	PROVIDE MSL S/N	CANCELED
	YORKTOWN/323000E	300551 TEST SCHEDULE	

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<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	PROVIDE MSL 300551		COMPLETE 26SEP97
	YORKTOWN/323000E	RECEIPT DATE		
	NAWC DET	PROVIDE MSL 300551		COMPLETE 01NOV99
	YORKTOWN/323000E	INSP RESULTS		
	NAWC PT MUGU/313100E	MONITOR MSL 300551	14JAN02	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VELLA GULF (CG-72) MESSAGE	PROBLEM REPORT
	302001ZJUL96	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	310629ZJUL96	
	NAWC PT MUGU/313100E NWS RPT 26SEP97	MISSILE IN-RECEIPT AT
		YORKTOWN
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL IN STORAGE CC-F
	01NOV99	
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL REMAINS IN I LEVEL
	08JUN00	STORAGE CC-F
	NAWC PT MUGU/313100E AWARS 30JUN01	MSL STATUS

**ACTION : USS ANZIO (CG-68) EMR V21658-96-0001 13FEB96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0938, L0938, L0938			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 055407, 030002, 030038			

**DESCRIPTION:**

131740ZFEB96: USS Anzio (CG-68) reported that while utilizing Maintenance Requirement Card 4821/400-35 R-11S to conducting missile BIT on RGM-84D-4, HARPOON canister missile S/N L0938 at launcher Cell No. four. BIT test ran for approximately 20 seconds before "SKR NO-GO" fault indication was displayed. BIT was attempted again, with failure occurring in approximately 18 seconds. System checkout was performed with satisfactory results. missile scheduled for off-load at NWS Yorktown on 20 March 1996.

**ACTION TAKEN:**

150029ZFEB96: NAWC Pt. Mugu has reviewed the reported deficiency and concurs with the intended off-load of the failed missile on 20 March 1996. The following disposition instructions were provided: NWS Yorktown, upon receipt of Missile S/N L0938, conduct visual inspection and perform an All-up Round Test. Provide results to Det Yorktown. NAWC Det Yorktown, from the information received from NWS

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Yorktown, provide a report/analysis of their results (include P/Ns, S/Ns, etc.) and submit the report to NAWC Pt. Mugu. Also, provide the shipping dates of items sent to DOP for repair.

201600ZMAR96: USS Anzio reports that RGM-84D-4 S/N L0938 has been tagged and off loaded at NWS Yorktown on 20 March 1996 under document number V21658-6082-8106.

09APR96: NWS Yorktown informed NAWC Pt. Mugu that missile S/N L0938 was tested on 02 April 1996. All-up round test could-not-duplicate the reported fleet BIT failure, but test results did indicate Sustainer Section S/N 030002 to be faulty. The section was removed and currently awaiting Section Level Testing.

10APR96: During a telephone conversation between VSE Corporation and NAWC Det Yorktown, it was advised that missile S/N L0938 had failed Block three (seeker) test module number 5610, Fuel Control Electronics tests.

05JUN96: NAWC Det Yorktown informed NAWC Pt. Mugu that not only did the sustainer section fail, guidance section S/N 055407 also failed during testing at Yorktown. Guide was shipped to MDA-East on 24 April 1996 under document number N00109-6095-8046. Note: MDA's April 1997, CETS report advised that fleet BIT failure was could-not-duplicate.

24SEP96: NAWC Pt. Mugu has reviewed the HARPOON AWARS database and concluded that the following actions took place between 01 and 03 April 1996 at Yorktown during testing of missile S/N L0938: On 01 April 1996, visual inspection of missile logbook revealed that the Maintenance Due Date had expired. Canister S/N 030038 was removed because unit failed incoming inspection. On 02 April 1996, missile failed incoming Missile Subsystem Test Set test with the following results and upon completion of test guidance section S/N 055407 was removed and held over for Section Level Test:

1st test: Block No. 5 (Altimeter) only to check out parameter

5512-M6:

5512 - Altimeter Tests - Common

06 - Digital Altitude - PCode 5506

2nd test: Missile failed following AUR test results Block No. 3 (seeker):

5610 - FCE Tests

12 - Valve Current Change - PCode 6034

21 - Valve Current - PCode 6020

22 - Valve Current - PCode 6021

23 - Current Change - PCode 6037

25 - Egt Input - PCode 6024

27 - Egt Input - PCode 6026

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28 - Egt Input - PCode 6027

Also on 02 April 1996, faulty sustainer section S/N 030002 was removed from all-up round S/N L0938, and held over for Section Level Test. On 03 April 1996, the guidance section had been removed and failed Block No. 18 (seeker) of Section Level Test. The guidance section was to be packaged and shipped to depot for further test and repair. On 05 April 1996, the sustainer section was tested and failed the below listed Section Level Test module and measurement nos.: 8210, Fuel Control Electronics Tests (confirms failure 5610 test of the all-up-round test as stated above).

22MAY00: In reference to faulty guidance section S/N 055407, which failed during all-up-round testing of missile S/N L0938. See data above. According CAIMS/SLITS data, the guide had been sent to Letterkenny Army Depot and placed in deep storage. No details provided. Follow up on faulty sustainer S/N 030002 is in-work. Deficiency to remain open pending receipt on status of sustainer section.

09APR01: AWARS database still showing defective guidance section S/N 055407 in receipt at Letterkenny Army Depot in condition code "F". It was sent to this facility from The Boeing Company. No explanation provided. AOC Yorktown did have defective sustainer section S/N 030002 scheduled for shipment to Anniston Army Depot for storage. No records available stating sustainer was shipped.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL L0938		COMPLETE 24SEP96
		YORKTOWN/323000E	AURT RESULTS		
		NAWC PT MUGU/313100E	FOLLOWUP ON SUST		COMPLETE 09APR01
			030002 STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP S/S 030002	28OCT01	OPEN
			DEPOT STORAGE		
		NWS YORKTOWN/304	PROVIDE INSP/TEST		COMPLETE 05JUN96
			RESULTS S/N L0938		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ANZIO (CG-68) MESSAGE 131740ZFEB96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	150029ZFEB96	
	USS ANZIO (CG-68) MESSAGE 201600ZMAR96	MSL L0938 OFFLOAD AT NWS
		YORKTOWN
	NAWC DET YORKTOWN/323000E E-MAIL MEMO	MSL L0938 AUR TEST S/S FAILED
	09APR96	
	NAWC DET YORKTOWN/323000E PHONCON	MSL TEST FOLLOWUP
	10APR96	
	NAWC DET YORKTOWN/323000E E-MAIL MENO	FAIL G/S SHIPPED TO MDA
	05JUN96	

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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E AWARS DATABASE  
24SEP96  
NAWC PT MUGU/313100E CAIMS/AWARS  
22MAY00  
NAWC PT MUGU/313100E CAIMS DATABASE  
09APR01

**REFERENCE BRIEF**

NWS MSL, G/S AND S/S TEST  
DATA FOLLOWUP  
FOLLOWUP INFO  
GUIDE STATUS

**ACTION : USS SCOTT (DDG-995) CODR V21438-95-0002 01NOV95 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300861			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300861			

**DESCRIPTION:**

011506ZNOV95: During a regular scheduled maintenance operation, using Maintenance Requirement Card 4821/400 R-11S, RGM-84D-4 HARPOON missile S/N 300861 in Cell two displayed a BIT failure of "SKR NO-GO". The cables were disconnected and reconnected to the Harpoon Guided Missile Simulator, and the missile BIT passed. The cables were reconnected to Cell two, heater power was applied for thirty minutes, BIT was again performed and a "SKR NO-GO" fault code was again displayed. The missile last passed BIT on 02 May 1995. The scheduled date for missile offload is sometime in April 1996 at NWS Yorktown.

**ACTION TAKEN:**

020329ZNOV95: NAWC Pt. Mugu has reviewed the reported deficiency, concurs with the ship's offload schedule, and provided the following disposition instructions: USS Scott to offload as scheduled. NWS Yorktown, upon receipt of subject missile, conduct a visual inspection and perform an All-up Round test. Provide inspection and test results to NAWC Det Yorktown. NAWC Det Yorktown provide a report on the inspection/test results (include P/Ns, S/Ns and analysis of all failed sections and assemblies) to NAWC Pt. Mugu. Request shipping data on all failed section(s) sent to the depot for repair.

09APR96: NWS Yorktown informed NAWC Pt. Mugu that missile S/N 300861 will be offloaded at NWS Charleston on 10 April 1996.

26SEP97: NAWC Det Yorktown advises that missile as of 10 September 1997 was still in receipt at NWS Charleston. There's no indication as to when missile will be shipped to Yorktown.



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04AUG00: NAWC Det Yorktown status report of 04 August 2000, informed NAWC Pt. Mugu defective missile was recieved at Yorktown on 04 May 2000, condition code "J". No details provided.

01FEB01: NAWC Det Yorktown status report of 01 February 2001, still showing defective missile S/N 300861 being at AOC Yorktown in condition code "J" .

01SEP01: NAWC Det Yorktown status report of 01 September 2001, advises that defective missile still at AOC Yorktown in condition code "J". No details available.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL 300861 INDUCTION		CANCELED 09APR01
	NAWC PT MUGU/313100E	MONITOR MSL 300861 YORKTOWN RECEIPT		COMPLETE 04AUG00
	NAWC PT MUGU/313100E	FOLLOWUP ON MSL 300861 STATUS	07NOV01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SCOTT (DDG-995) MESSAGE 011506ZNOV95	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 020329ZNOV95	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E "E" MAIL 09APR96	MSL S/N 300861 OFFLOAD
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	MSL STILL AT CHARLESTSON
	NAWC DET YORKTOWN/323000E STATUS RPT 04AUG00	MSL RECEIPT AT YORKTOWN
	NAWC DET YORKTOWN/323000E STATUS REPORT 01FEB01	MSL STATUS
	NAWC DET YORKTOWN/323000E STATUS REPORT 01SEP01	MSL STATUS

<b>ACTION</b>	<b>: USS PRINCETON (CG-59)</b>	<b>CODR</b>	<b>R21447-95-0002</b>	<b>28SEP95 CLOSED</b>
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<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065368, 065368, 065368, 065368			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 055262, 065368, 060146, GQN-0062			

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**DESCRIPTION:**

281510ZSEP95: USS Princeton (CG-59) reported that on 25 Septemebr 19995 prior to missile off-load, Maintenance Requirement Card 4821 400/R-11S missile BIT was being performed on HARPOON missile S/N 065368. Missile failed "DPC/MRC COMMS, DP/PS, ALT, ARA, SKR NO-GO", Failure indicates a communication problem between the HARPOON weapons system and the missile. A second BIT was performed and again the missile failed. The weapon system was tested using the Harpoon Guided Missile Simulator with satisfactory results. All other HARPOONS aboard passed the BIT. The suspected cause of failure were the extreme environmental conditions (heat and humidity) experienced in Arabian Gulf. The faulty missile will be off loaded at NAVMAG Lualualei on 28 September 1995.

**ACTION TAKEN:**

050229ZOCT95: NAWC Pt. Mugu has reviewed the deficiency report and concurs with the off-load schedule. The following instructions were provided: NAVMAG Laulaulei was requested to ship cited missile at earliest possible opportunity to NWS Yorktown. NWS Yorktown, upon receipt of missile, conduct incoming visual inspection and reverse processing to be performed prior to All-up Round Test. Findings are to be submitted to NAWC Det Yorktown. NAWC Det Yorktown, upon receipt of NWS Yorktown's findings, prepare a report based on these findings and forward the report to NAWC Pt. Mugu. Report should include P/Ns, S/Ns and analysis of all failed sections and assemblies. Also, provide shipping data on failed section(s) sent to the depot for repair.

20OCT95: CAIMS/SLITS data reflects a Condition Code change to "J". Missile at NAVMAG Lualualei HI awaiting to be shipped to Yorktown.

21FEB96: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 065368 not yet received on station.

22FEB96: Upon review of the HARPOON CAIMS/SLITS database, it was concluded that the missile was still at NAVMAG Laulaulei on 04 January 1996 and in condition code "J". NAVMAG accepted the missile under document number 21447-5269-8175. Note; The AWARS database reflects the missile's condition code.

09APR96: NAWC Det. Yorktown informed NAWC Pt. Mugu that NWS Yorktown still not in receipt of fleet failed missile.

10SEP96: CAIMS/SLITS database show missile to be at NWS Concord and in condition code "J".

300129ZJUN97: NAWC Pt. Mugu informed NWS Concord that the inventory manager at NAWC Det Fallbrook stated that missile S/N 065368 was at

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**PROBLEM NO: 13970****(Continued)**

NWS Concord in Condition Code "J". NWS Concord took receipt under document number N68297-5297-6250.

26SEP97: NAWC Det Yorktown informed Pt. Mugu that missile S/N 065368 was received at NWS Yorktown on 09 September 1997. Unit currently awaiting induction.

01JUN99: NAWC Det Yorktown monthly AWCAP status report of 01 June 1999 provided the following regarding missile S/N 065368. Missile inducted for processing on 24 May 1999. Missile reported BIT failure was confirmed. Missile reverse process was performed with no detailed provided. Unit did not pass the canister and missile interface test. The reports concluded guide S/N 055261, warhead S/N 065368 and sustainer S/N 060146 as faulty sections.

25JUN99: Upon review of HARPOON AWARS database maintenance data system sheet, regarding the inspection and test of missile S/N 065368. The following maintenance data was provided: On 03 May 1999, an incoming visual all around inspection was conducted. Missile was classified as having failed BIT aboard ship and reverse processing was requested. Major corrosion was in evidence. Missile continuity test was performed via the pyro interface test set. Unit failed missile canister mate switch at position 21 and 22. Canister S/N GQN-0062 was removed. Canister revealed evidence of major corrosion. Missile booster section S/N GQN-1359 was removed. Maintenance sheet narrative regarding the removal of the booster section, it was advised that minor corrosion was found on the electromagnetic Interference shield. On 04 May 1999, missile during Missile Subsystem Test Set incoming test failed the below listed test modules:

5130 - Missile Pyro Test

- 01 - Sustainer Pyro Isolation

5160 - Missile Pre-Power Resistance Test

Missile guidance section S/N 055261 and sustainer section S/N 060146 were removed because failure codes stated above identifies these two sections as cause of missile failure. Control section S/N 060120 was also removed. No failure information provided. Replacement sections were installed. Including a different control section (S/N GQN-0607). On 11 May 1999, missile failed the following Missile Subsystem Test Set parameters on retest:

5160 - Missile Pre-Power Resistance Test

- 07 - Power Converter I/O Isolation - PCode 1157

- 08 - Power Converter Return I/O Isolation - PCode 1158

- 10 - MGU Data Line/Input Power Fail Code - PCode 1177

Failed codes identify a faulty warhead unit with a bad warhead cable. Missile was disassembled. Warhead S/N 065368 was to have been shipped to depot for further test and repairs.

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30OCT99: AWARS maintenance data sheet of 03 June 1999 advises that faulty guidance section S/N 055261 after being removed from missile S/N 065368, was used to build up faulty HARPOON Missile Body S/N 065618. HARPOON Missile Body was made up with failed sections and was placed in storage pending receipt of DEMIL instructions. Faulty warhead S/N 065368 remains at AOC Yorktown disassembled. Unit was to have been shipped to Boeing for further test and evaluation.

20NOV00: AWARS database review provides the following updates: As stated above missile guidance section S/N 055261, sustainer section S/N 060146 and control section S/N 060120 were removed from all up round S/N 065368 for failing during testing. Missile also had failed the missile incoming reverse process continuity test. Noted, on 11 May 1999 with replacement sections installed, missile failed again. Missile warhead S/N 065368 found to be faulty. The warhead cable was also faulty. Missile was disassembled. Warhead was to be shipped to depot for further test, evaluation and repairs. On 24 May 1999, control and sustainer sections failed section-level-test. Units to be shipped to depot. On 01 June 1999, guidance section S/N 055261 failed section-level-test. Unit to be shipped to depot. On 3 June 1999, defective guide 055261 was installed on defective HARPOON missile body S/N 065618. Also, defective sustainer S/N 060146 was installed on defective HARPOON missile body S/N L0548. Both of these were to have been shipped to The Boeing Company for demilitarization. On 13 December 1999, defective HARPOON missile body was being buildup using failed sections. Defective control section S/N 060120 was one of these sections. Missile body was to be shipped to The Boeing Company for demilitarization.

30NOV00: NAWC Pt. Mugu has reviewed all actions taken regarding this reported missile deficiency and concluded no further actions required. During all-up-round test of missile, reported BIT failure could not be confirmed. However, missile did fail the test but it was not related to the deficiency reported by the fleet. A major factor that may have caused fleet failure was corrosion. This was based on amount of corrosion found during incoming visual inspection. Based on AWARS data faulty sections have been scheduled for demilitarization. Therefore, no further action is required. This action closes this deficiency report.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAVMAG LUALUALEI	PROVIDE SHIPPING DATA S/N 065368		COMPLETE 10SEP96
		NAWC DET YORKTOWN/323000E	PROVIDE INSP/TEST REPORT S/N 065368		COMPLETE 01JUN99
		NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N 065368 TEST DATA		COMPLETE 30JUN99
		NAWC PT MUGU/313100E	OBTAIN MSL S/N 065368 LOCATION		COMPLETE 26SEP97

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<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	FOLLOWUP G/S 055261 TEST		COMPLETE 30JUN99
		NAWC PT MUGU/313100E	FOLLOWUP SUST S/N 060146 STATUS		COMPLETE 20NOV00
		NAWC PT MUGU/313100E	FOLLOWUP WHD 065368 STATUS		COMPLETE 20NOV00
		NAWC PT MUGU/313100E	FOLLOWUP GUID 055261 STATUS		COMPLETE 20NOV00
		NWS YORKTOWN/304	PROVIDE INSP/TEST DATA S/N 065368		COMPLETE 30JUN99

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PRINCETON (CG-59) MESSAGE 281510ZSEP95	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 050229ZOCT95	INTERIM RESPONSE
	NAWC PT MUGU/313100E CAIMS/SLITS 20OCT95	MSL CONDITION CODE CHANGE TO "J"
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 21FEB96	MSL S/N 065368 STATUS
	NAWC PT MUGU/313100E CAIMS/SLITS DATABASE 22FEB96	MSL STILL AT NAVMAG LAULAULEI/CC-J
	NAWC DET YORKTOWN/323000E E-MAIL MEMO 09APR96	NWS NOT IN RECEIPT OF MSL
	NAWC PT MUGU/313100E CAIMS/SLITS DATABASE 10SEP96	MSL AT NWS CONCORD
	NAWC PT MUGU/313100E MESSAGE 300129ZJUN97	REQUESTED MSL DISPOSITION STATUS
	NAWC DET YORKTOWN/323000E NWS STATUS RPT 26SEP97	MSL IN-RECEIPT AT YORKTOWN
	NAWC DET YORKTOWN/323000E STATUS REPORT 01JUN99	MSL TEST RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 25JUN99	MDS SHEET F/MSL S/N 065368
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT99	GUIDE SCHEDULED F/DEMIL
	NAWC PT MUGU/313100E AWARS DATABASE 20NOV00	FOLLOWUP ON ASSET STATUS
	NAWC PT MUGU/313100E CLOSURE STATEMENT 30NOV00	CLOSURE

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**ACTION : USS MONTEREY (CG-61) CODR V21450-95-0003 13JUN95 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1216, L1216, L1216			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 077027, GQN-1311, GQN-0151			

**DESCRIPTION:**

132007ZJUN95: USS Monterey (CG-61) reported that HARPOON PE25 RGM-84D-4 canister missile S/N L1216 was received on board on 22 November 1994. On the first initial BIT performed, the panel displayed a "SKR NO-GO" fault indication. Following the initial BIT failure, missile passed five consecutive tests. On 10 and 17 April 1995, BITs were performed successfully. But on 9 June 1995, missile failed two consecutive BITs with "SKR NO-GO" indications. The Harpoon Guided Missile Simulator tested satisfactorily. FTSCLANT Det Mayport representative verified the reported BIT failure. The ship intend to off-load this missile at NAVSTA Mayport.

**ACTION TAKEN:**

270129ZJUN95: NAWC Pt. Mugu forwarded the following in regard to missile S/N L1216 disposition instructions: USS Monterey was requested to have the missile off loaded. NAVSTA Mayport upon receipt, ship missile to NWS Yorktown. NWS Yorktown upon receipt of this missile, conduct a visual inspection, All-up round and booster tests. Also, conduct a section level test, if the all-up round test dictates. Provide inspection and testing results to NAWC Det Yorktown. NAWC Det Yorktown upon the receipt of Yorktown's findings, prepare a report, and have it submitted to NAWC Pt. Mugu. Also, include P/Ns, S/Ns, and shipping data on failed section(s) sent to the depot for repair.

27OCT95: Det Yorktown (via E-Mail) advises that as of 16 October 1995, missile S/N L1216 was located in NWS Yorktown's Production Area. No other data was available at this time.

31OCT95: MDA's CETS report of October 1995 states that the fleet returned BIT failure indicated the following all-up round Missile Subsystem Test Set fail Codes:

5210 - Missile Power-up

17 - Seeker BIT (Radiate)

24 - Seeker BIT (Non-radiate)

25 - Seeker Power Supply Base Plate Temperature

The CETS report indicates that Guidance Section S/N 077027 was removed due to failure.

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**PROBLEM NO: 13970****(Continued)**

15DEC95: MDA's Weapons Station/Depot Trouble Report Number 0003-1169 dated November 1995, indicates that on 25 November 1995, guidance section S/N 077027 failed the following Section Level Test parameters:

6700 - G/S Power-Up Test  
9810 - Unit Under Test Power Down

21FEB96: NAWC Det Yorktown advises Pt. Mugu that the fleet returned missile was received at NWS Yorktown in Condition Code "J" on 12 August 1995, under Document Number V21450-5206-8450. It was later inducted for testing. Missile guidance section S/N 077027 was replaced. The section will be sent to DOP in March 1996.

29FEB96: MDA's February 1996, WPNSTA/DOP Trouble Report number 0003-1266 concurs with the data presented in the CETS report of October 1995. Trouble Report stated that missile all-up round test was performed on 24 October 1995.

22MAY96: NAWC Det Yorktown informed NAWC Pt. Mugu that the faulty Guidance section S/N 077027 was shipped to MDA on 29 February 1996 under document number N49935-6038-5259.

14JUN99: Upon reviewing HARPOON AWARS data maintenance system sheet regarding AOC Yorktown's test of missile S/N L1216 during October 1995 timeframe, it has been established that missile was received on station on or about 16 August 1995. Data sheet for this missile was initiated on 20 October 1995, and the following actions were accomplished. On 20 October 1995, during missile incoming visual inspection the fuel leakage was in evidence. Excessive corrosion was found on canister screws. Canister S/N GQN-0151 was removed. On 24 October 1995, missile incoming test was conducted. Guide found to be faulty.

21AUG00: In a follow up review of AWARS data presented above, the following should have been presented. On 23 October 1995, booster section S/N GQN-0855 required compliance with AWB-239R. On 24 October 1995, sustainer section S/N GQN-1311 was removed and defueled. As stated above, guidance section S/N 077027 found to be faulty during missile all-up-round testing. Failure code 5210 and measurement numbers 17, 24 and 25 identifies a faulty guide unit. This guide also failed its section-level-test. AWARS depot level maintenance data in reference to failed guide S/N 077027 the following depot maintenance action was presented. Information advises that the guide arrived at depot on 16 October 1997 and inducted on 29 October. Unit required compliance with AWB-252 (Title Unknown). A unit within the section was found burred. No other details provided. Final repairs to guidance section S/N 077027 was completed on 16 January 1998 and unit was returned ready for issue

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status. This deficiency to remain open. NAWC Pt. Mugu conducting follow-up action regarding the repairs of leaking sustainer section.

14NOV00: HARPOON CAIMS database provided an inventory record of 20 March 2000, showing that sustainer section S/N GQN-1311 had been returned to AOC Yorktown in condition code "A". It may conclude that the sustainer section was repaired. AWARS provided no depot test or repair maintenance data.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N L1216 INSP/TEST REPORT		COMPLETE 15DEC95
		NAWC DET YORKTOWN/323000E	PROVIDE G/S S/N 077027 SLT RESULTS		COMPLETE 29FEB96
		NAWC PT MUGU/313100E	FOLLOWUP SUST GQN-1311 STATUS		CANCELED 18AUG00
		NAWC PT MUGU/313100E	RESEARCH S/S GQN-1311 REPAIRS		CANCELED 30MAR01
		NAWC PT MUGU/313100E	OBTAIN G/S S/N 077027 DOP REPAIR DATA		COMPLETE 18AUG00
		NAWC PT MUGU/313100E	INVEST SUST GQN-1311 DOP STATUS		COMPLETE 14NOV00
		NAWC PT MUGU/313100E	GUIDE S/N 077027 FOLLOWUP ON R/RO	28OCT01	OPEN
		NAWC PT MUGU/313100E	SUST GQN-1311 FOLLOWUP ON R/RO ACTION	28OCT01	OPEN
		NWS YORKTOWN/304	PERFORM MSL S/N L1216 VISUAL/AUR TEST		COMPLETE 31OCT95

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MONTEREY (CG-61) MESSAGE 132007ZJUN95	PROBLEM REPORT
	NAWC PT MUGU/313000E MESSAGE 270129ZJUN95	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 27OCT95	MSL TEST STATUS
	MDA-EAST OCT 95 CETS REPORT 31OCT95	MISSILE L1216 FAILURE DATA
	MDA-EAST TR NO. 0003-1169 15DEC95	G/S SLT RESULTS
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 21FEB96	MSL L1216 STATUS
	MDA-EAST OCT95 CETS REPORT 29FEB96	NWS TEST DATA CONFIRMED
	NAWC DET YORKTOWN/323000E E-MAIL MEMO 22MAY96	FAULTY G/S SHIPPED TO DOP
	NAWC PT MUGU/313100E AWARS MDS SHEET 14JUN99	MSL S/N L1216 AURT FOLLOWUP



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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E AWARS FOLLOWUP  
RPT 21AUG00  
NAWC PT MUGU/313100E CAIMS DATABASE  
14NOV00

**REFERENCE BRIEF**

GUIDE I LEVEL TEST RESULTS  
  
SUST RETURNED CONDITION CODE  
A

**ACTION : USS NORMANDY (CG-60) CODR V21449-95-0008 09JUN95 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300545, 300545			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097057, GQN-0168			

**DESCRIPTION:**

091605ZJUN95: USS Normandy (CG-60) reported that on 8 June 1995 while pier side at NS Norfolk VA, RGM-84D-4 HARPOON Grade B canister missile S/N 300545 failed missile BIT. On board weapons system had identified missile BIT failure to be a "DPC MGU COMM; SKR DC/PS; ALT; ARA; ID-84A" fault indication. Weapons system check results determined system performance to be satisfactory. Missile failed two subsequent BITs. BIT test results identifies a communications problem somewhere between the weapons system and missile. Missile BIT test was performed in accordance with MIP 4821/400 Maintenance Requirement Card R-11S. Missile was returned to NS Norfolk.

**ACTION TAKEN:**

140129ZJUN95: NAWC Pt. Mugu has reviewed the reported deficiency and provided the following instructions: USS Normandy was requested to provide additional data to NAWC Pt. Mugu and NWS Yorktown. BIT elapsed time for repeated multiple testing conducted. Also investigation report of launcher support structure cables and connectors, plus any additional tests performed or the results of Harpoon Guided Missile Simulator or reconnect to any other cell. Report cell number failure. NWS Yorktown upon receipt of the missile, conduct reverse process and all-up round/booster tests to confirm failure as reported. Provide inspection and test results to NAWC Det Yorktown. NAWC Det Yorktown provide report on test results (include P/Ns, S/Ns, and analysis of all failed sections or assemblies) to NAWC Pt. Mugu. Also, request shipping data on failed section(s) sent to DOP for repair.

19JUN95: FTSCLANT provided the following missile BIT validation data:

SerNo: 300545  
MGU SerNo: 097086

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MDD: 960209

Hull: CG-60

Cell No: 6

BIT RESULTS: NO-GO; ALT, ARA, DPC/MGU COMM, SKR (Note: "SKR BSN" only applicable to HARPOON Ship Command-Launch Control System 8/9 Firm Ware & Higher)

Heater Power Applied: No

Environmental Conditions: Temperature 84F

Remarks: BIT event that failed: Operation Inspection.

Missile identified as an RGM-84A.

BIT: Immediate "NO-GOs". HARPOON Guided Missile Simulator Tested BIT "GO". Connectors cleaned and retest was conducted with known good cables. There was no change test results.

27OCT95: NAWC Det Yorktown (via E-Mail) advises that as of 25 October 1995, the missile was in the Production Area at Yorktown. No further details were available.

31OCT95: MDA's October 1995 CETS report advises that the fleet returned missile failed NWS Yorktown's AUR incoming test with the following results:

5210 - Missile Power-up

- 05 - MGU Configuration Identifications

9810 - Unit Under Test Power-down

- 03 - Attitude Reference Assembly BIT

- 04 - Altimeter BIT

- 05 - Digital Computer Auto Pilot

- 06 - seeker (Radiate)

- 07 - Gyros Power Supply Temperature

This failure indicates a failed Guidance Section (G/S) S/N 097057.

NOTE: The following are the results of Section Level testing: G/S S/N 097057

6700 - G/S Power-Up Test

05 - MGU Configuration Identifications

9810 - (Same parameters as during AURT)

Control Section S/N 020365

6010 - Control Actuator Test Part 1

20 - No. 4 Counter Clockwise Switch Transition

6020 - Control Actuator Test Part 2

01 - No. 4 Clockwise Switch Transition

25 - No. 2 Counter Clockwise Switch Transition

29FEB96: MDA Trouble Report Number 0003-1237 confirmed missile failure submitted in MDA's October 1995 CETS Report (31 October 1995 entry refers).

29FEB96: MDA Trouble Report Number 0003-1238 confirmed control section failure submitted in MDA's October 1995 CETS Report (31

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**PROBLEM NO: 13970****(Continued)**

October entry refers).

15JUN96: HARPOON AWARS maintenance data system sheet initiated on 23 October 1995, regarding NWS Yorktown's maintenance actions against fleet returned HARPOON RGM-84D-4, PE25 canister missile S/N 300545. The following actions were provided: On 23 October 1995 - During missile incoming visual the Maintenance Due Date had expired. Missile passed the reverse process continuity test. Canister S/N GQN-0168 was removed and no visual deficiencies noted. Missile booster section (B/S) S/N 075157 was removed and unit required compliance with AWB-239. Continuity tests were performed. No deficiencies were noted. Harpoon Missile Body all-up round failed the below listed Missile Subsystem Test Set incoming test modules and test measurements confirms failure data submitted in October 1995 MDA CETS report (see above 31 October 1995 entry). Missile G/S S/N 097057 was removed. On 24 October 1995 - Harpoon Missile Body S/N 300545 received replacement G/S GQN-0958, but on Missile Subsystem Test Set all-up round retest Harpoon Missile Body failed the following test modules and test measurements:

Block 10

6010 - Control Actuator Test Part 1

- 20 - No. 4 CCW Switch Transition - PCode 10205

6020 - Control Actuator Test Part 2

- 01 - No. 4 CW Switch Transition - PCode 10226

Missile control section C/S S/N 020365 was replaced with S/N 145293. Missile passed on retest. Missile removed B/S S/N 075157 was reinstalled. Missile canister S/N GQN-0168 had to be replaced due a damaged nut basket. Not noted during missile receipt inspection. On 25 October 1995 - Missile was placed in canister S/N GQN-0350. Missile RGM-84D-4, PE24, S/N 300545 passed the final test and was returned condition code "A", Ready For Issue status. Guidance section S/N 097057 failed the below listed section-level-test parameters:

6700 - Guidance Section Power-Up Test

9810 - Unit-Under-Test Power-Down

22MAY00: Missile CAIMS/SLITS data show deficient guidance section S/N 097057 being issued to Letterkenny Army Depot for long term storage. Guide remains in condition code "F". No other details provided. Therefore, all other maintenance actions regarding this guide has been cancelled. In reference to control section S/N 020365, AWARS show section being issued to depot on or about 31 May 1996. An AWARS SLITS record show section being inducted for maintenance on or about 14 August 1997. Also, no relevant maintenance data available. A follow up with depot is in work. Deficiency report to remain open.

09APR01: Review of AWARS SLITS report, concluded that defective

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control section S/N 020365 was received at The Boeing Company, depot for this item, on 31 May 1996. No details of test or repairs available.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	DCMC BOEING ST	C/S 020365		CANCELED
	LOUIS/RDOBA	MAINTENANCE FOLLOWUP		
	NAWC DET	PROVIDE TEST REPORT		COMPLETE 31OCT95
	YORKTOWN/323000E	S/N 300545		
	NAWC DET	PROVIDE G/S S/N		COMPLETE 16JUN96
	YORKTOWN/323000E	097057 SLT RESULTS		
	NAWC DET	PROVIDE C/S S/N		COMPLETE 16JUN96
	YORKTOWN/323000E	020365 SLT RESULTS		
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S		COMPLETE 22MAY00
		097057 DOP ACTION		
	NAWC PT MUGU/313100E	CHECK C/S 020365	14JAN02	OPEN
		REPAIR STATUS		
	NWS YORKTOWN/304	PROVIDE TEST RESULTS		CANCELED 29FEB96
		S/N 300545		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS NORMANDY (CG-60) MESSAGE	PROBLEM REPORT
	091605ZJUN95	
	NAWC PT MUGU/313000E MESSAGE	INTERIM RESPONSE
	140129ZJUN95	
	FTSCLANT FAX DATA REPORT 19JUN95	BIT VALIDATION REPORT
	NAWC DET YORKTOWN/323000E E-MAIL	MSL TEST STATUS
	REPORT 27OCT95	
	MDA-EAST OCT 95 CETS REPORT 31OCT95	MSL FAILURE DATA
	MDA-EAST TR NO. 0003-1237 29FEB96	MSL FAILURE CONFIRMED
	MDA-EAST TR NO. 0003-1238 29FEB96	C/S FAILED SLT
	NAWC PT MUGU/313100E AWARS MDS DATA	MSL AND G/S MAINT ACTIONS
	15JUN96	
	NAWC PT MUGU/313100E AWARS CAIMS/SLITS	GUIDE LOCATION STATUS
	22MAY00	
	NAWC PT MUGU/313100E CAIMS/SLITS	CONTROL SECTION STATUS
	DATABASE 09APR01	

**ACTION : USS NORMANDY (CG-60) CODR V21449-94-0001 06JUL94 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300242, 300242, 300242, 300242, 300242			
<b>SUB-ASSY :</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 065244, 065244, 065244			

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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>FAILED PART:</b>	1657AS0526-3	1420	01-271-7762	
	<b>NOMEN:</b> SEEKER, TARGET, RADAR			
	<b>S/N:</b> GNQ-0772, 065145, 030146, 020223, GQN-0088			

**DESCRIPTION:**

062330ZJUL94: USS Normandy (CG-60) reported that RGM-84D-4, HARPOON Grade "B" Canister Missile, S/N 300242 (NALC PE25), failed BIT during a routine Preventive Maintenance, in accordance with Maintenance Requirement Card 4821/400 R-11S, while the ship was in port. BIT fail code displayed "SKR NO-GO". There were two subsequent BIT "SKR NO-GO" failures. Troubleshooting revealed the Harpoon Weapon System to be satisfactory.

**ACTION TAKEN:**

06JUL94: FTSCLANT provided additional data regarding missile S/N 300242 BIT failure:  
BIT event - semiannual  
Heater power applied - NO  
Failed fault codes - ALT, SKR  
Missile on time - 16 secs.  
Temperature (ambient) - 90 degs. F  
Rain - N  
Remarks - first BIT attempt - SKR NO GO and ALT NO GO - second attempt - SKR NO GO only.

110029ZJUL94: NAWC Pt. Mugu informed USS Normandy of deficiency receipt and for missile S/N 300242 be shipped to NWS Yorktown. NWS Yorktown was requested to mail the MIL-STD-129 tag to NWAD Corona, QA44.

16AUG94: CAIMS/SLITS data provided that missile S/N 300242 from USS Normandy was received at NWS Yorktown from NWS Earle. The unit was in Condition Code "E", and received under Document Number V21449-4186-9069 on 07 July 1994.

08JUN95: NWS Yorktown (AWSSD, 305E) provided the following maintenance action report regarding missile S/N 300242: RGM-84D-4 missile passed the incoming visual on 09 May 1995, but the Canister S/N GQN-0088 displayed 30% corrosion. Location of the corrosion was not identified. The Booster Rocket Motor S/N 111382 and warhead passed the initial continuity test. On 10 MAY 1995, HARPOON Missile Body S/N 300242 failed the following Missile Subsystem Test Set All-up Round test parameter codes:  
5160 - Missile Pre-Power Resistance Test  
09 - Fire Detector Sensor Isolation  
5210 - Missile Power-up  
17 - Seeker BIT (Radiate)

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 13970****(Continued)**

24 - Seeker BIT (Non-Radiate)  
5310 - Seeker Status & Boresight  
05 - Azimuth Gimbal Position  
21 - Time to Lock-on  
22 - Average Azimuth Gimbal Position  
23 - Average Elevation Gimbal Position  
24 - Average Azimuth Line-of-Sight Rate  
25 - Average Elevation Line-of-Sight Rate  
26 - Average Lock-on Discrete  
27 - Lock-on Discrete  
5320 - Transmitter Characteristics  
5410 - Attitude Reference Assembly Tests  
22 - Z Gyro Free Drift

Note, with the failure of test module 5210 and measurement 24, fleet BIT failure was confirmed. Above test results are indications that guidance section (G/S) S/N 065244 had failed. On 11 MAY 1995, defective G/S was removed and replaced with G/S S/N 077235. The faulty G/S held over for section level testing. During missile retesting, it failed the following test module numbers: 5160 measurement number 9, 5310 measurement number 21, and 5320. Failure codes are indication of a faulty G/S and Sustainer Section (S/S). Replacement G/S S/N 077235 was removed along with (S/S) S/N 020223. Again the all-up round received a replacement G/S, this time the Harpoon Missile Body passed on the second all-up round retest. On 16 May 1995, all-up round passed a continuity test and on 17 May 1995, it was returned to ready-for-issue and placed in storage. Defective sections were shipped to MDA for depot test and eval.

22JUL95: Defective S/S S/N 020223 is in receipt at depot, and Rework/Repair Order (R/RO) Number N61819XJ has been assigned to track the inspection, test, repairs and retrofit of section. R/RO also, advises that sustainer will require compliance with AWB-182, Rev A, Amend 1, Inspection of sustainer ID plate for proper part number reflecting incorporation of ECP Number 12304. Unit had not been inducted.

15DEC95: MDA R/RO Number N53093XG to tracked the inspection, test and repairs of faulty G/S S/N 065244. On 02 June 1995 was received at production, but was not inducted into depot work area until 09 November 1995. No other data provided.

15JAN96: MDA had assigned R/RO Number N61819XJ to track testing and repair of S/S S/N 020223. As of 11 July 1995, the sustainer had not been inducted. The unit will require the incorporation of AWC-182.

03MAR96: MDA R/RO N53093XG advised that G/S S/N 065244 inspection, tests and repair results were as follows: Midcourse Guidance Unit S/N 065145 was the primary cause of guidance section failure. R/RO

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**PROBLEM NO: 13970**

**(Continued)**

Number N53093XGM assigned. Radar Altimeter S/N 030146 and Radar Target Seeker S/N GQN-0772 found to be secondary causes of SKR failure. Radar Altimeter will be processed under MDA R/RO N53093XGA and MDA R/RO Number N53093XGS assigned to process defective SKR. With a few minor repairs and replacement parts, the guidance section was returned to Ready-For-Issue status on 02 February 1996.

10JUN96: MDA R/RO Number N53093XGA advises that defective Radar Altimeter was placed in depot production on 22 May 1996, and inspection and test results revealed the primary cause of failure was attributed to the A5A2 power supply (P/S) (H.I), no output. A secondary cause was found in the transmitter card one due to incorrect output. With defective components removed and replaced, the Radar Altimeter was returned to Ready For Issue condition 28 May 1996. The faulty P/S will be processed under R/RO Number N53093XGAA.

26JUN96: MDA R/RO Number N53093XGM advised that midcourse guidance unit had been inducted into depot work area on 24 May 1996. Inspection and test results revealed primary cause of midcourse guidance unit failure was due to excess draw on the attitude reference assembly, S/N 060279. Defective unit was removed and replaced, returning the midcourse guidance unit to ready-for-issue status on 17 June 1996. Reference assembly inspection, test and repairs will be processed under R/RO Number N53093XGU.

19AUG96: R/RO Number N53093XGAA advises that faulty power supply was inducted into depot work area on 06 June 1996. Testing found the power supply unit dead. Test results found a defective microcircuit, two faulty transistors and a bad semiconductor, all revealed incorrect output. No repairs required. Action on this R/RO was closed on 02 August 1996.

26AUG96: MDA R/RO Number N53093XGS advises that faulty seeker unit was removed from plant stores and inducted into depot production on 12 August 1996. Inspection, testing are on-going.

27AUG96: Updated R/RO Number N53093XGU advises that defective ARA was removed from plant storage and inducted into depot work area for inspection, test and repairs on 13 August 1996. Inspection and testing are ongoing.

30AUG96: R/RO Number N61819XJ still show defective S/S S/N 020223 to be located at depot. No inspection, test or repair available, to date.

01SEP96: R/RO Number 1N53093XGAB advises that the XMTR card 1, S/N 1945, (P/N 642AS4109-2) was inducted into the work area on 04 June 1995. The sensor unit (P/N 642AS3437-1) found to be cause of

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**PROBLEM NO: 13970**

**(Continued)**

failure. No other details provided.

30AUG98: AWARS depot level maintenance data show guide S/N 065244 being received 16 August 1995, Narrative states transfer rework/repair order N53089XGA MECH INSPECT. This repair/rework order is not the same as stated above regarding this guide while at depot. The final acceptance being 22 February 1996.

30JAN99: NAWC Pt. Mugu in the process of following up on depot processing of guidance S/N 065244 while at Boeing Company during 16 August 1995 time frame, in order to determine cause of guidance section reported failure.

22MAY00: HARPOON CAIMS/SLITS database show defective guidance section 065244 at Letterkenny Army Depot in long term deep storage. According data presented, guide was returned to AOC Yorktown sometime between 22 February 1996 and 03 June 1996. On 07 September 1999, defective guidance section, condition code "F", was in deep storage a Letterkenny Army Depot. Being in deep storage no further action is required, therefore, closing this deficiency report.

30MAY00: DCMC Boeing Company St. Louis inventory report of 30 May 2000, informed NAWC Pt. Mugu that defective sustainer section S/N 020223 remains at depot in condition code "F". Maintenance details not provided. HARPOON commodity manager directed deficiency report to remain open.

02JAN01: CAIMS database as of 02JAN01, shows defective guidance section still remains at Boeing Company in condition code "F".

30MAR01: NAWC Pt Mugu's review of AWARS SLITS data, concluded that on 02 March 2001, faulty sustainer section had been issued to Letterkenny Army Depot for storage. All assigned action completed. No further action required. This action closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE S/S S/N		CANCELED 15DEC95
		YORKTOWN/323000E	020223 SLT RESULTS		
		NAWC DET	PROVIDE CAN S/N		COMPLETE 05AUG95
		YORKTOWN/323000E	GQN-0088 REPAIR DATA		
		NAWC DET	PROVIDE G/S S/N		COMPLETE 15DEC95
		YORKTOWN/323000E	065244 SLT RESULTS		
		NAWC PT MUGU/313100E	OBTAIN S/S S/N 020223		COMPLETE 06FEB96
			DOP TEST/RPR DATA		
		NAWC PT MUGU/313100E	FOLLOWUP G/S 065244		COMPLETE 30AUG98
			DEPOT TEST DATA		
		NAWC PT MUGU/313100E	CLARIFY G/S 065244		COMPLETE 22MAY00
			DOP TEST RPT		



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**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	FOLLOWUP SUST 020223		COMPLETE 30MAY00
			DEPOT STATUS		
		NAWC PT MUGU/313100E	MONITOR SUST 020223		COMPLETE 30MAR01
			DOP STATUS		
		NAWC PT MUGU/P2632	OBTAIN MSL S/N 300242		COMPLETE 08JUN95
			AUR TEST RESULTS		
		NWS YORKTOWN/3043	PROVIDE MSL 300242		COMPLETE 16AUG94
			RECEIPT DATE		
		NWS YORKTOWN/305	PROVIDE MSL BOOSTER		COMPLETE 08JUN95
			TEST RESULTS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS NORMANDY (CG-60) MESSAGE	PROBLEM REPORT
		062330ZJUL94	
		FTSCLANT MSL BIT FAILURE RPT 06JUL94	MSL BIT FAILURE VERIFICATION
		NAWC PT MUGU/P2631 MESSAGE 110029ZJUL94	INTERIM RESPONSE
		NAWC PT MUGU/P2634 SLITS REPORT 16AUG94	MSL RECEIPT DATE
		NWS YORKTOWN/305 MAINT DATA SHEET	MSL NWS MAINT/REPAIR ACTION
		08JUN95	
		MDA-EAST R/RO N61819XJ 22JUL95	DEPOT TEST STATUS OF S/S
		MDA-EAST R/RO N53093XG 15DEC95	G/S RCVD/INDUCTED FOR REPAIR
		MDA-EAST R/RO N61819XJ 15JAN96	S/S REQUIRE AWC-182
		MDA-EAST R/RO N53093XG 03MAR96	G/S DEPOT TEST DATA
		MDA-EAST R/RO N53093XGA 10JUN96	RDALT INSP/TEST DATA
		MDA-EAST R/RO N53093XGM 26JUN96	MGU INSP/TEST DATA
		MDA-EAST R/RO N53093XGAA 19AUG96	RDALT PS INSP/TEST DATA
		MDA-EAST R/RO N53093XGS 26AUG96	SKR INSP/TEST DATA
		MDA-EAST R/RO N53093XGU 27AUG96	ARA INSP/TEST DATA
		MDA-EAST R/RO N61819XJ 30AUG96	S/S REPAIR DATA NOT AVAILABLE
		MDA-EAST R/RO 1N53093XGAB 01SEP96	RDALT XMTR CARD #1 STATUS
		NAWC PT MUGU/313100E AWARS DATABASE	DOP LEVEL FOLLOWUP
		30JUL99	
		NAWC PT MUGU/313100E COMMENTS 30AUG99	FOLLOWUP IN-WORK
		NAWC PT MUGU/313100E CAIMS/SLITS DATA	GUID DEEP STOWED/CLOSED
		22MAY00	
		DCMC BOEING ST LOUIS/RDOBA INVENTORY	SUST CC-F AT DEPOT
		REPORT 30MAY00	
		NAWC PT MUGU/313100E SLITS DATA 02JAN01	SUST STATUS
		NAWC PT MUGU/313100E AWARS DATABASE	SUST LOCATION/CLOSURE
		30MAR01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14092**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-38	1410	01-263-2932	PE24
	LAUNCH SUPPORT STRUCTURE, CAN	5933930	1440	01-293-7098	
	CANISTER LTWT SURF ATCK AUR GM	642AS1270-4	1410	01-250-8226	PB57

**EI CNTRL NO:**

**PROB BRIEF :** LAUNCHER SUPPORT STRUCTURE DEFICIENCIES

**PROBLEM DESCRIPTION :** Bushings on the bottom of the lightweight and Grade B canister forward stacking frames were being partially pulled out. If the 35-degree aft stop on the Hoist Rotation Beam is improperly positioned, or if the crane is spotted too far aft, the forward end of the canister will lift off the Canister Missile Launcher first. This action will cause the binding at the aft shear pin of the launcher and will put unnecessary tension on the beam's cables.

**PREVENTIVE ACTION :** The NSWSES HARPOON Weapon System Newsgram for HARPOON AN/SWG-1(V) and AN/SWG-1A(V) equipped ships, second quarter CY90, provided additional cautionary information with regard to canister offloading procedures.

**CORRECTIVE ACTION :** HARPOON Weapons Systems Newsgram, HARPOON AN/SWG-1(V) and AN/SWG-1A(V) Equipped Ships, Naval Ship Weapon systems Engineering Station, 2nd QTR CY90 provided additional cautionary information on the canister off loading procedures. PMTC letter 8800, SerNo. 2022/K-986 dated 22 July 1991 refers.

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	PMTC/2022 LETTER 22JUL91	PROBLEM CLOSURE

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS MONTEREY (CG-61)	CODR	V21450-00-0001A	19MAY00	OPEN
	USS VELLA GULF (CG-72)	CODR	V21829-00-0002	07JAN00	CLOSED *
	NWS YORKTOWN	EIR	N00109-90-0404	04APR90	CLOSED *

\* ACTION REPORTED IN PREVIOUS PUBLICATION

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14092**

**(Continued)**

**ACTION : USS MONTEREY (CG-61) CODR V21450-00-0001A 19MAY00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0409, L1008, L1294			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0409, L1008, L1294			
<b>END ITEM :</b>	1657AS0302-38	1410	01-263-2932	PE24
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300844, L1294, 085792, 001956			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300844, L1294, 085792, 001956			

**DESCRIPTION:**

191800ZMAY00: USS Monterey (CG-61) reported that on 25 April 2000 a pre-offload inspection was being conducted by NAWC Det Yorktown representative. During the course of inspection seven PE24 HARPOON Grade-B Canister Missiles, serial numbers 001721, 001958, 085792, 300844, L0409, L1008 and L1294, displayed an unsatisfactory amount of corrosion. The corrosion was located in the vicinity of connector base aluminum rivets. Canisters had been in the continuous service on CG-47 class ships since 1995. These canisters were being exposed to saltwater on a routine and continuous basis. Canisters contain both aluminum and corrosion resistance rivets. No corrosion was noted in vicinity of the corrosion resistance rivets. Additionally, corrosion also noted on mounting bases of integral stacking frames. The ship's crew advises that stacking frames had experience saltwater exposure with no capability to preserve with HARPOONS in place. Crew suspect environment and improper design both contributed to the assets becoming corroded. With launcher being on the fantail and the use of aluminum rivets on connector bases resulted in the reported corrosion. Note, all seven missiles satisfactorily passed BIT.

**ACTION TAKEN:**

220029ZMAY00: NAWC Pt. Mugu informed USS Monterey (CG-61) of receipt of missile deficiency report. Pt. Mugu requested missile be placed in condition code "J". Recommendations regarding the HARPOON Launcher Support Structure were forwarded to the CFA at NSWC Port Hueneme. NAWC Pt. Mugu HARPOON CLE will monitor the resolution of these concerns.

010400ZJUN00: NSWC Port Hueneme provided the following in reference to the missile Launcher Support Structure stacking frame corrosion report. Documentation on maintenance regarding the Launcher Support

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**PROBLEM NO: 14092**

**(Continued)**

Structure and stacking frames are current and have been distributed to the fleet. NAWC Port Hueneme Newsgram articles on corrosion are released periodically to maintain a high level of awareness. Other additional information can be accessed from the sailor-to-engineer web site. On board technical assistance, if required, should be requested from FTSC/LANT and/or FTSC/PAC in accordance with CINC and TYCOM directives.

30OCT00: NAWC Det Yorktown on 26 April 2000, assisted USS Monterey weapons crew with the off loading of their seven PE24 HARPOON missiles. All of these HARPOON missiles were previously reported for having displayed an unsatisfactory amount of corrosion. It was suspected that corrosion was the result of missiles being exposed to seawater. During off load all seven missiles were placed in condition code "J". However, missile S/N 001958 was incorrectly reported. At dock side correct missile found to be S/N 001956. All shipment documentation was corrected accordingly. AOC Yorktown took receipt of these missiles under shipping document number V21450-0087-8164.

09AUG01: AWARS SLITS database as of 21 February 2001, show all seven PE24 HARPOON missiles in condition code "J" at AOC Yorktown. No other information available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>	
<b>SUMMARY</b>		NAWC PT MUGU/313100E	RESPONSE TO SHIP'S CONCERNS		COMPLETE	01JUN00
		NAWC PT MUGU/313100E	MONITOR MISSILE INDUCTION	07NOV01	OPEN	
<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>		<b>REFERENCE BRIEF</b>		
		USS MONTEREY (CG-61) MESSAGE 191800ZMAY00		PROBLEM REPORT		
		NAWC PT MUGU/313100E MESSAGE 220029ZMAY00		INTERIM RESPONSE		
		NSWC PORT HUENEME MESSAGE 010400ZJUN00		ADDITIONAL INFORMATION		
		NAWC DET YORKTOWN/323000E MSI/MSL OFF LOAD RPT 30OCT00		MISSILES OFF LOADED		
		NAWC PT MUGU/313100E AWARS SLITS 09AUG01		MISSILES STATUS		

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**HARPOON ACTIVE  
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**PROBLEM NO: 14396**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR EXER TRNG AUR MSL	1657AS0100-69	1410	01-282-1265	PE41
	CANISTER TW SURF ATCK AUR	1657AS0303-26	1410	01-264-5473	PE29
	GM				
	CANISTER TW SURF ATCK AUR	1657AS0303-30	1410	01-265-6664	PE30
	GM				
	MISSILE BODY, EXER TRNG	1657AS0500-53	1410	01-255-6335	3W98

**EI CNTRL NO:**

**PROB BRIEF :** STENCILLED LABELS IMPROPERLY MARKED

**PROBLEM DESCRIPTION :** Control sections were received with the label part number different than the stencilled part number.

**PREVENTIVE ACTION :** The Naval Weapons Stations will install new plates in the affected control sections as part of performing Airborne Weapon Change (AWC) 315 procedures.

**CORRECTIVE ACTION :** Action regarding reported deficiencies has been canceled. The rationale was based on a procedural and contractual problem with the contractor. The problem developed with regard to removing the identification plate with the old part number (642AS0103) and inserting the new plate in the control section with the new part number plates (1657AS0520-1). It was agreed upon that the NWS should install the new plates as part of performing the procedures in AWC-315. Plates were subsequently supplied to the NWSs.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC PT MUGU/2021	EVALUATE PROBLEM CLOSURE		COMPLETE 26MAR92

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/2022 LTR 8800 2022/K944 26MAR92	PROBLEM CLOSURE STATEMENT

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS ROOSEVELT (CVN-71)	CODR	V21247-96-0003	04AUG96	CLOSED *
	USS MERRILL (DD-976)	CODR	R20602-95-2000	15DEC95	OPEN

\* ACTION REPORTED IN PREVIOUS PUBLICATION

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**PROBLEM NO: 14396**

**(Continued)**

**ACTION : USS MERRILL (DD-976) CODR R20602-95-2000 15DEC95 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-26	1410	01-264-5473	PE29
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 001650			
<b>FAILED PART:</b>	1657AS0303-26	1410	01-264-5473	PE29
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 001650			
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300696			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300696			

**DESCRIPTION:**

150010ZDEC95: USS Merrill (DD-976) reported that during 12-13 December 1995 missile off-load at NWS Seal Beach, S/N on the canister (S/N 300696) does not match the corresponding entry in the missile logbook (S/N 001650). HARPOON missile is slated as a Condition Code "J" item. Request disposition instructions for missile S/N 001650.

**ACTION TAKEN:**

180129ZDEC95: NAWC Pt. Mugu has reviewed USS Merrill's deficiency report and has assigned a Report Control Number of 95-2000 for tracking. The missile in question had passed off-load BIT. The following instruction were submitted: NWS Seal Beach was requested to annotate missile logbook and associated documents "Unknown Missile S/N". Ensure that brown MIL-STD-129 Non-Ready For Issue tag is Condition Code "J". Request ship the missile at earliest convenience to NWS Yorktown. Provide shipping date and document number to NAWC Pt. Mugu and NWS Yorktown. NWS Yorktown, upon receipt of missile, conduct visual inspection and properly identify missile contained in canister. Provide results to NAWC Det Yorktown. NAWC Det Yorktown, provide a report on the inspection and any test results (include P/Ns, S/Ns and analysis of all failed section(s)/assemblies) to NAWC. Request shipping data on failed section(s) sent to the depot for repair.

10JAN96: NAWC Pt. Mugu CAIMS/SLITS database advises that missile S/N 001650 was taken on board USS Merrill back on or about 06 December 1993. Two years later, around 25 July 1995, missile in condition code "F" was at NWS Yorktown. Sometime around 30 July 1995, missile condition code change was made placing missile in condition code "A". On 30 August 1995, the missile was issued to USS Nicholson (DD-982) Document No. V20614-5145-8054. Around 24 October 1995, USS

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14396****(Continued)**

Nicholson took receipt missile from NWS Charleston. USS Berry took receipt of missile sometime around 04 November 1995 under Document Number V21660-5234-8023. Missile Maintenance Due Date was July 1997. Note, missile was off loaded from USS Merrill on 13 December 1995. Missile passed sentencing inspection. In reference to missile S/N 001650, no further action required.

30JUL96: HARPOON AWARS database maintenance data system sheet which was initiated on 15 February 1996, provided the following regarding missile S/N 300696. Missile maintenance due date had expired. Also, on 15 February 1996, HARPOON Missile Body P/N 1657AS0500-52 failed the following All-Up-Round Missile Subsystem Test Set incoming test parameters:

- 5345 - Range Rate/Static Angle & Angle Line of Sight Rate
- 19 - (See Volume II) - PCode 3230
- 5370 - RF Attenuation & Mission Profiles
- 5512 - Altimeter Tests- Common
- 08 - Digital Altitude - PCode 5508

On 20 February 1996, again HARPOON missile body S/N 300696 was retested and failed the following results

- 5345 - Range Rate/Static Angle & Angle Line of Sight Rate
- 5370 - RF Attenuation & Mission Profiles
- 5375 - Mode 2
- 5377 - Special Discriminate

On 21 February 1996, HARPOON missile body was disassembled. Guidance section S/N 055127, sustainer section S/N 070258 and control section S/N 070253 were removed. On 01 March 1996, sustainer section S/N 070258, which was removed from defective missile S/N 300696, failed section level test:

- 7830 - Sustainer Pyro Test)
- 03 - Sustainer Pyros Isolation - PCode 1094.

On 05 April 1996, guidance section S/N 055127 failed the following section tests:

- 6820 - Transmitter Characteristics
- 10 - (See Volume II) - PCode 3068

07OCT96: CAIMS/SLITS database show missile S/N 001650 being issued to NWS Yorktown on 28 August 1996, in condition code "F" under document number V21660-6240-8001. Missile awaiting induction.

15JUL97: AWARS database provides the NWS Yorktown information. On 20 March 1997, missile S/N 001650 passed incoming visual inspection. Canister S/N 085035 and Booster Section S/N 070045 were removed. Booster required testing. On 25 March 1997, HARPOON Missile Body S/N 001650 failed the following all-round-test: 5210 - Missile Power-up (abort). Guidance S/N 097242 was removed and hold for Section Level Test. Guidance Section S/N 025099 was installed. On 2 April 1997, HARPOON Missile Body S/N 001650 was retested and failed the

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14396****(Continued)**

following test:

5320 - Transmitter Characteristics

- 10 - (See volume II) - PCode 3068.1

Guidance Section S/N 025099 was removed and hold for Section Level Test. Guidance Section S/N 107084 was installed. On 3 April 1997, missile S/N 001650 passed on retest. On 9 April 1997, Guidance Section S/N 097242 Section Level Test is as follows:

6700 - Guidance Section Power-up Test (abort)

9810 - Unit Under Test Power-down

- 4 - Seeker (Radiate) BIT - PCode 11014

Guide to be sent to depot for further evaluation and test.

30JUN98: AWARS depot level maintenance data show defective guidance section S/N 055127 being at depot Boeing St. Louis as of 04 April 1997. Unit was inducted for test and repairs on 23 April 1997. Depot Rework/Repair Order Number 72284XG assigned to track tests and repairs. All indications are that the guidance unit had a defective seeker unit. Output found to be incorrect. No indications provided as to whether the defective seeker caused reported deficiency.

30AUG00: NAWC Pt. Mugu in conducting follow up action on status of faulty guidance section S/N 055127, it was concluded that the guide was repaired by depot and was issued back to AOC Yorktown sometime back on 13 July 1997. Follow up on defective seeker in-work. In reference to faulty guidance section S/N 097242, on 10 April 1997, the last known action, AOC Yorktown had defective guide installed onto defective missile S/N 085090. No details provided. Follow up regarding the status and repair of this guide is in-work.

30OCT00: HARPOON AWARS maintenance data sheets and SLITS database advises that HARPOON missiles (S/Ns 300696 and 001650) in reference to reported has been corrected. Missile log books and other documentation were corrected. Missile S/N 300696 was returned to condition code "A" back on 14 May 1996. On 23 June 1997 missile was placed in deep storage at Letterkenny Army Depot. As far as missile S/N 001650 is concerned to passed a Missile Sentencing Inspection back in June 1996 and later it was issue to USS Barry. It failed BIT aboard USS Barry (DDG-52) in August 1996 (Deficiency DDG-52 96-0003 refers). All data provided above after 30 July 1996 in reference to missile S/N 001650 was inadvertently incorporated under this deficiency. Data regarding missile S/N 001650 failing aboard USS Barry has been transferred to AWCAP No. 14721, deficiency report no. DDG-52 96-0003.

29OCT01: NAWC Pt Mugu researched various intermediate and depot level maintenance databases and the following repair information was concluded: Defective seeker unit 035070, which was the primary cause of guidance section S/N 055127 failure, was repaired under depot



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**PROBLEM NO: 14396**

**(Continued)**

Rework/Repair Order no. N72284XGS. Both units were repaired and returned to condition code "A" status sometime around 29 May 1997. Defective sustainer section S/N 070258 on 23 August 1996, was scheduled for shipment to deep storage from AOC Yorktown to Anniston Army Depot.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	PROVIDE MSL 001650		CANCELED 15FEB96
	YORKTOWN/323000E	PROPER ID INFO		
	NAWC DET	PROVIDE MSL 300696		CANCELED 28AUG96
	YORKTOWN/323000E	PROPER ID INFO		
	NAWC DET	PROVIDE MSL S/N		COMPLETE 15FEB96
	YORKTOWN/323000E	300696 AURT RESULTS		
	NAWC DET	PROVIDE MSL S/N		COMPLETE 28AUG96
	YORKTOWN/323000E	001650 RECEIPT DATE		
	NAWC PT MUGU/313100E	PROVIDE G/S 097242		CANCELED 30JUN98
		DOP SHIPMENT STATUS		
	NAWC PT MUGU/313100E	GUIDE 097242 STATUS		CANCELED
		IN-WORK		
	NAWC PT MUGU/313100E	PROVIDE GUIDE S/N		COMPLETE 30JUN98
		097242 TEST RESULTS		
	NAWC PT MUGU/313100E	GUIDE 055127 FOLLOWUP		COMPLETE 30AUG00
		REQUESTED		
	NAWC PT MUGU/313100E	FOLLOWUP ON SEEKER		COMPLETE 29OCT01
		035287 STATUS		
	NAWC PT MUGU/313100E	SUST 070253 DEMIL	28JAN02	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MERRILL (DD-976) MESSAGE	PROBLEM REPORT
	150010ZDEC95	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	180129ZDEC95	
	NAWC PT MUGU/313100E CAIMS 10JAN96	MSL LAST ACTION STATUS
	NAWC PT MUGU/313100E AWARS DATABASE	MSL S/N 300696 AURT & SLT
	30JUL96	RESULTS
	NAWC PT MUGU/313100E CAIMS 07OCT96	MSL ISSUED TO NWS YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE	MSL 001650 AURT RESULTS
	15JUL97	
	NAWC PT MUGU/313100E AWARS 30JUN98	GUIDANCE SECTION DATA
		FOLLOWUP
	NAWC PT MUGU/313100E RESEARCH DATA	GUIDE FOLLOWUPS ARE IN WORK
	30AUG00	
	NAWC PT MUGU/313100E AWARS/CLE	FOLLOWUP INFORMATION
	COMMENTS 30OCT00	
	NAWC PT MUGU/313100E RESEARCH COMMENTS	ASSETS STATUS
	29OCT01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14436**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14

**EI CNTRL NO:**

**PROB BRIEF :** MISSILE FAILED TO ID PROPERLY

**PROBLEM :** TARTAR-configured HARPOON failed to ID properly when probe was mated  
**DESCRIPTION** to missile.

**PREVENTIVE :** Each missile/booster section was tested, and in each case the  
**ACTION** failure could not be confirmed or duplicated. Of the three cases reported only a faulty relay assembly in the booster had to be replaced. In the future all RGM-84D-2 Fleet return missiles will undergo interface checks at the weapons station prior to booster removal. Booster connectors are also to be inspected to verify their condition.

**CORRECTIVE :** The missiles and boosters were refurbished and made ready for issue.  
**ACTION**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/P2621	EVALUATE PROBLEM CLOSURE STATEMENT	COMPLETE 03FEB93

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS MORISON (FFG-13)	CODR	V20966-01-0002	24MAY01	OPEN
	USS VANDEGRIFT (FFG-48)	EMR	R21200-92-0001	15JAN92	CLOSED *
	USS KAUFFMAN (FFG-59)	EMR	V21390-90-0001	15NOV90	CLOSED *
	USS UNDERWOOD (FFG-36)	EMR	V21103-90-0001	26OCT90	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION :** USS MORISON (FFG-13) CODR V20966-01-0002 24MAY01 OPEN

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L0722			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L0722			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14436**

**(Continued)**

**DESCRIPTION:**

241325ZMAY01: USS Samuel Eliot Morison (FFG-13) reported that on 18 May 2001, while at NWS Earle NJ and during missile on load, HARPOON, PE14, TARTAR missile, S/N L0722 failed to provide proper missile "IDENT CODE" and missile "IDENT" indication on the "EP2" panel with the contactor and fin opener assembly extended. Successful HARPOON BITs were performed using the Guided Missile Test Round and another Tactical HARPOON. Suspect faulty identification receptacle unit on missile. Missile was rejected and returned to NWS Earle.

**ACTION TAKEN:**

290129ZMAY01: NAWC Pt. Mugu informed USS Samuel Eliot Morison (FFG-13) that deficiency report regarding PE14, HARPOON TARTAR missile S/N L0722 was received and action will be taken. NWS Earle was requested to have missile packaged and shipped to AOC Yorktown for further tests and failure evaluation.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N L0722	28AUG01	OPEN
		YORKTOWN/323000E	RECEIPT		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS MORISON (FFG-13) MESSAGE	PROBLEM REPORT
		241325ZMAY01	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		290129ZMAY01	

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**PROBLEM NO:** 14721

**OPEN**

<b>END ITEM</b>	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
:	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	CANISTER TW SURF ATCK AUR GM	1657AS0303-26	1410	01-264-5473	PE29
	CANISTER TW SURF ATCK AUR GM	1657AS0303-28	1410	01-264-5474	PE30
	CANISTER TW SURF ATCK AUR GM	1657AS0303-30	1410	01-265-6664	PE30
	CANISTER TW SURF ATCK AUR GM	1657AS0303-38	1410	01-264-5578	PE31
	CANISTER TW SURF ATTACK AUR GM	642AS1829-28	1410	01-238-1331	PC40
	CANISTER TW SURF ATCK AUR GM	642AS1829-7	1410	01-238-1327	PC90

**EI CNTRL NO:**

**PROB BRIEF :** BIT FAILURES, THICKWALL CANISTER (HARPOON)

**PROBLEM DESCRIPTION :** Missiles malfunctioned while performing normal fleet operations.

**PREVENTIVE ACTION :** No preventive action has been identified at this time.

**CORRECTIVE ACTION :** No corrective action has been proposed other than replacement of missile sections which have been determined to be defective.

<b>OCCURRENCES:</b>	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
	USS MCCAIN (DDG-56)	CODR	R21686-01-0001	26SEP01	OPEN
	USS CUSHING (DD-985)	CODR	R20617-01-0001	19JUL01	OPEN
	USS PORTER (DDG-78)	CODR	V21952-01-0001	09MAY01	OPEN
	USS JOHN PAUL JONES (DDG-53)	CODR	R21313-01-0001	13APR01	OPEN
	USS ARTHUR W. RADFORD (DD-968)	CODR	V20588-00-0001	21NOV00	OPEN
	USS HOPPER (DDG-70)	CODR	R21944-00-0002	17OCT00	OPEN
	USS HIGGINS (DDG-76)	CODR	R21950-00-0005	28SEP00	OPEN
	USS RUSSELL (DDG-59)	CODR	R21821-00-0001	18AUG00	OPEN
	USS DECATUR (DDG-73)	CODR	R21947-00-0001	15AUG00	OPEN
	USS BURKE (DDG-51)	CODR	V21487-00-0002	31JUL00	OPEN
	USS PORTER (DDG-78)	CODR	V21952-00-0001	11MAY00	OPEN
	USS PAUL HAMILTON (DDG-60)	CODR	R21822-00-0001	06MAY00	OPEN
	USS STETHEM (DDG-63)	CODR	R21825-99-0005	21NOV99	OPEN
	USS ROSS (DDG-71)	CODR	V21945-99-0003	16NOV99	OPEN
	USS SULLIVANS (DDG-68)	CODR	V21942-99-0001	28AUG99	OPEN

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**PROBLEM NO: 14721****(Continued)**

<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
USS SULLIVANS (DDG-68)	CODR	V21942-99-0002	28AUG99	OPEN
USS HEWITT (DD-966)	CODR	R20586-99-0004	11JUL99	OPEN
USS CUSHING (DD-985)	CODR	R20617-99-0001	24JUN99	OPEN
USS ELLIOT (DD-967)	CODR	R20587-99-0001	24JUN99	OPEN
USS RAMAGE (DDG-61)	CODR	V21823-99-0001	26MAY99	OPEN
USS MILIUS (DDG-69)	CODR	R21943-99-0001	15APR99	OPEN
USS STETHEM (DDG-63)	CODR	R21825-99-0001	14APR99	OPEN
USS COLE (DDG-67)	CODR	V21941-98-0001	24NOV98	OPEN
USS CARON (DD-970)	CODR	V20590-98-0001	09NOV98	OPEN
USS FITZGERALD (DDG-62)	CODR	R21824-98-0004	22OCT98	OPEN
USS LABOON (DDG-58)	CODR	V21820-98-0245	03SEP98	OPEN
USS CURTIS WILBUR (DDG-54)	CODR	V21640-98-0001	13AUG98	OPEN
USS BENFOLD (DDG-65)	CODR	R21940-98-0001	14MAY98	OPEN
USS NICHOLSON (DD-982)	CODR	R20614-97-0001	08APR98	OPEN
USS SOUTH CAROLINA (CGN-37)	CODR	V20669-98-0001	06FEB98	OPEN
USS BARRY (DDG-52)	CODR	V21660-97-0003	17OCT97	OPEN
USS FIFE (DD-991)	CODR	R20838-97-0003	07JUL97	CLOSED *
USS RUSSELL (DDG-59)	CODR	R21821-97-0001	17MAY97	CLOSED *
USS FIFE (DD-991)	CODR	R20838-97-0002	09APR97	OPEN
USS BARRY (DDG-52)	CODR	V21660-96-0003	22OCT96	OPEN
USS LABOON (DDG-58)	CODR	V21820-96-0003	01JUL96	OPEN
USS MITSCHER (DDG-57)	CODR	V21687-96-0001	01JUL96	OPEN
USS STOUT (DDG-55)	CODR	V21685-96-0004	27JUN96	CLOSED *
USS RUSSELL (DDG-59)	CODR	R21821-96-0001	07MAY96	OPEN
USS O'BANNON (DD-987)	CODR	V20834-95-0001	18OCT95	OPEN
USS CONOLLY (DD-979)	CODR	V20611-95-1000	10OCT95	CLOSED *
USS KIDD (DDG-993)	CODR	V21436-95-0001	26SEP95	CLOSED
USS PETERSON (DD-969)	CODR	V20589-95-0001	13SEP95	CLOSED *
USS CURTIS WILBUR (DDG-54)	CODR	V21640-95-0001	27JUN95	CLOSED *
USS FIFE (DD-991)	CODR	R20838-95-0001	16APR95	CLOSED
USS KINKAID (DD-965)	CODR	R20576-94-0002	12SEP94	CLOSED *
USS ARTHUR W. RADFORD (DD-968)	CODR	V20588-94-0005	11SEP94	CLOSED *
USS KIDD (DDG-993)	EMR	V21436-94-0002	14JUL94	CLOSED *
USS TURNER (CG-20)	CODR	V52691-94-0001	07JUN94	CLOSED *

\* ACTION REPORTED IN PREVIOUS PUBLICATION

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SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
USS THORN (DD-988)	EMR	V20835-93-0001	29APR94	CLOSED *
USS YOUNG (DD-973)	CODR	R20599-94-0001	20APR94	CLOSED *
USS CONOLLY (DD-979)	CODR	V20611-94-0001	08APR94	CLOSED *
USS ARTHUR W. RADFORD (DD-968)	CODR	V20588-94-0002	06APR94	CLOSED
USS KIDD (DDG-993)	EMR	V21436-94-0001	26MAR94	CLOSED *
USS HAYLER (DD-997)	CODR	V21416-94-0003	09MAR94	CLOSED *
USS ELLIOT (DD-967)	CODR	R20587-94-0001	19JAN94	CLOSED *
USS PETERSON (DD-969)	CODR	V20589-93-0001	22SEP93	CLOSED *
USS HAYLER (DD-997)	CODR	V21416-93-0001	29JUN93	CLOSED *
USS KINKAID (DD-965)	CODR	R20576-93-0001	08JUN93	CLOSED *
USS CONOLLY (DD-979)	CODR	V20611-93-0001	08FEB93	CLOSED *
USS ELLIOT (DD-967)	CODR	R20587-93-0001	26JAN93	CLOSED *
USS HANCOCK (DD-981)	CODR	V20613-92-0001	06OCT92	CLOSED *
USS DEYO (DD-989)	CODR	V20836-92-0001	03AUG92	CLOSED *
USS STUMP (DD-978)	EMR	V20604-92-0001	13MAY92	CLOSED *
USS RAY (DD-971)	EMR	R20591-92-0001	15JAN92	CLOSED *
USS YOUNG (DD-973)	EMR	R20599-92-0001	13JAN92	CLOSED *
USS WISCONSIN (BB-64)	EMR	V03064-91-0002	24MAY91	CLOSED *
USS THORN (DD-988)	EMR	V20835-90-0002	17JUN90	CLOSED *
USS THORN (DD-988)	EMR	V20835-90-0001	16MAR90	CLOSED *
USS IOWA (BB-61)	EMR	V03061-87-0001	16APR87	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : USS MCCAIN (DDG-56) CODR R21686-01-0001 26SEP01 OPEN**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0303-30	1410	01-265-6664	PE30
<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM				
<b>S/N:</b> 065146				
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM				
<b>S/N:</b> 065146				

**DESCRIPTION:**

260403ZSEP01: USS John S McCain (DDG-56) reported that on 24 September 2001 HARPOON missile S/N 065146 failed BIT with a "SKR NO-GO" fault indication. On 01 August 2000 was the last time missile passed BIT. Missile was off load on 25 September 2001 at NS Yokosuka Japan.

**ACTION TAKEN:**

270229ZSEP01: NAWC Pt. Mugu acknowledged receipt of deficiency report and has taken for action. It was requested that NS Yokosuka

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**PROBLEM NO: 14721**

**(Continued)**

to have missile shipped to AOC Yorktown at the earliest possible opportunity. Missile is to remain in condition code "J".

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR MSL S/N	31DEC01	OPEN
	065146 SHIPMENT STATUS			

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MCCAIN (DDG-56) MESSAGE	PROBLEM REPORT
	260403ZSEP01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	270229ZSEP01	

<b>ACTION :</b>	<b>USS CUSHING (DD-985) CODR</b>	<b>R20617-01-0001</b>	<b>19JUL01</b>	<b>OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105021			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105021			

**DESCRIPTION:**

190615ZJUL01: USS Cushing (DD-985) reported that on 18 July 2001, HARPOON PE30, missile S/N 105021 failed BIT. The last time missile BIT was performed was on 09 April 2001. Last known HARPOON weapon systems check was on 06 December 1994. Missile scheduled to be off loaded on 30 August 2001 at NS Yokosuka Japan.

**ACTION TAKEN:**

240029ZJUL01: NAWC Pt. Mugu acknowledged receipt of missile deficiency report and concurred with HARPOON S/N 105021 being off loaded at NS Yokosuka Japan on 30 August 2001. Requested missile be placed in condition code "J". Upon receipt at NS Yokosuka Japan missile is to shipped on to AOC Yorktown.

30JUL01: USS Cushing Combat Systems Officer, via e-mail, provided NAWC Pt Mugu with the following information in reference to BIT failure of missile S/N 065087: HARPOON failed at Cell No. one. The following is list of consecutive BIT failure:

BIT No. 1: 09APR01 Passed BIT (received from NS Yokosuka ordnance) power on 30 seconds

BIT No. 2: 15JUN01 Failed BIT (missile failed all subsystems) power on 30 seconds

BIT No. 3: 15JUN01 Failed BIT (missile failed all subsystems) power on 30 seconds

BIT No. 4: 30JUN01 Failed BIT (missile failed all subsystems) power

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

on 30 seconds  
Total time of missile power on was 122 seconds. BIT reference document: Maintenance Requirement Card 4821/400, R-11S (BIT), note 14, the failed units are as listed:  
GDS:SKR: FAILED  
DC/PS: FAILED  
ALT: FAILED  
ARA: FAILED  
DPC/MGU COMM: FAILED  
Note: Upon completion of each failed BIT, computer listed the above five subsystems as failed. HARPOON missile fire control system considered cell no. one empty. Therefore, the presense of the missile in canister is not recognized. Missile was tagged and placed in condition code "J"

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR MSL 105021 SHIPMENT	28OCT01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CUSHING (DD-985) MESSAGE 190615ZJUL01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 240029ZJUL01	INTERIM RESPONSE
	USS CUSHING (DD-985) CSO E-MAIL REPORT 30JUL01	ADDITIONAL BIT INFO

<b>ACTION :</b>	<b>USS PORTER (DDG-78)</b>	<b>CODR</b>	<b>V21952-01-0001</b>	<b>09MAY01</b>	<b>OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 002100			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 002100			

**DESCRIPTION:**  
091810ZMAY01: USS Porter (DDG-78) reported that on 08 May 2001, HARPOON, PE30, Thickwall canister missile S/N 002100 failed BIT. BIT performed in accordance with MIP 4821/400 Maintenance Requirement Card R-11S. The BIT resulted in a "DPC/MGU COM, DCIPS, ALT ARA & SKR NO-GO" fault indication. Failure identifies a possible communication failure between missile and ship's weapons system.

**ACTION TAKEN:**  
100329ZMAY01: NAWC Pt. Mugu informed USS Porter (DDG-78) that failed missile S/N 002100 is to be returned to AOC Yorktown for further



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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

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tests and repairs.

29AUG01: AWARS SLITS data indicate AOC Yorktown took receipt of defective missile S/N 002100, in condition code "J", on 6 July 2001. Missile remains in storage pending "I" level maintenance and repair induction.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL 002100 RECEIPT		COMPLETE 29AUG01
	NAWC DET YORKTOWN/323000E	MONITOR MSL 002100 INDUCTION	28NOV01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PORTER (DDG-78) MESSAGE 091810ZMAY01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 100329ZMAY01	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWAR SLITS 29AUG01 MSL MAINT STATUS	

<b>ACTION SUMMARY</b>	<b>: USS JOHN PAUL JONES CODR (DDG-53)</b>	<b>R21313-01-0001</b>	<b>13APR01</b>	<b>OPEN</b>
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<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105332			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105332			

**DESCRIPTION:**

131538ZAPR01: USS John Paul Jones (DDG-53) reported that on 11 April 2001, while underway and during missile maintenance, HARPOON, PE30, thickwall canister missile S/N 105332 failed BIT with a "SKR NO-GO" fault indication as was displayed on ship's weapons system panel.

**ACTION TAKEN:**

160229ZAPR01: NAWC Pt. Mugu informed USS John Paul Jones that failed missile S/N 105332 is to be returned to AOC Yorktown for tests and repairs.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL 105332 RETURN RECEIPT	28SEP01	OPEN

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**PROBLEM NO: 14721**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS JOHN PAUL JONES (DDG-53) MESSAGE 131538ZAPR01	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 160229ZAPR01	INTERIM RESPONSE

**ACTION : USS ARTHUR W. CODR V20588-00-0001 21NOV00 OPEN  
RADFORD (DD-968)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300559			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300559			

**DESCRIPTION:**

211907ZNOV00: USS Arthur W Radford (DD-968) reported that on 06 September 2000, PE30 HARPOON missile S/N 300559 failed BIT. BIT was performed in accordance with Maintenance Requirements Card 4821/R-11S. Missile failed to achieve "GO" status after two BITs performed. Failure displayed on ship's weapon panel was a "SKR NO-GO" fault indication. A third BIT was performed and again missile failed with a "SKR NO-GO" fault indication.

**ACTION TAKEN:**

270129ZNOV00: NAWC Pt. Mugu advised USS Arthur W Radford (DD-968) that PE30 HARPOON, RGM-84D-5 missile S/N 300559 had been off loaded at AOC Yorktown. It was requested that AOC Yorktown induct missile at the earliest opportunity for test and repairs.

30JUN01: Review of AWARS SLITS data show missile S/N 300559 still in receipt at AOC Yorktown in condition code "J". No other data available.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	NAWC DET	MONITOR MSL 300559	COMPLETE 30JUN01
	YORKTOWN/323000E	RECEIPT	
	NAWC PT MUGU/313100E	MONITOR MSL 300559	22NOV01 OPEN
		STATUS	

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ARTHUR W. RADFORD (DD-968) MESSAGE 211907ZNOV00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 270129ZNOV00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 30JUN01	MSL STATUS

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

**ACTION : USS HOPPER (DDG-70) CODR R21944-00-0002 17OCT00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0070			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0070			

**DESCRIPTION:**

170330ZOCT00: USS Hopper (DDG-70) reported that on 06 October 2000, HARPOON RGM-84D-5 thickwall canister missile S/N L0070, failed missile BIT with a "SKR NO-GO" fault indication displayed on ship's weapons panel. Missile scheduled for off load on or about 25-26 October 2000, at NAVMAG Pearl Harbor HI.

**ACTION TAKEN:**

190429ZOCT00: NAWC Pt. Mugu acknowledges receipt of missile deficiency report regarding the BIT failure of missile S/N L0070. NAWC Pt. Mugu concurs with the intended missile off load schedule and upon off load, NAVMAG Pearl Harbor is requested to have missile shipped to AOC Yorktown for further test and repairs. In receipt of missile at AOC Yorktown it is to be inducted at the earliest possible opportunity for test.

30JUL01: AWARS SLITS data advises that as of 18 April 2001, defective HARPOON missile S/N L0070 was located at AOC Yorktown in condition code "J". Missile was received at AOC Yorktown on 09 January 2001.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		AOC YORKTOWN/201	MONITOR MSL L0070		COMPLETE 30JUL01
			RECEIPT		
		NAWC PT MUGU	MONITOR MSL L0070	25NOV01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS HOPPER (DDG-70) MESSAGE	PROBLEM REPORT
	170330ZOCT00	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	190429ZOCT00	
	NAWC PT MUGU/313100E AWARS 30JUL01	MSL STATUS

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

**ACTION : USS HIGGINS (DDG-76) CODR R21950-00-0005 28SEP00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085588			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085588			

**DESCRIPTION:**

281940ZSEP00: USS Higgins (DDG-76) reported that on 27 September 2000, during missile on load, HARPOON S/N 085588 failed missile BIT. BIT was performed in accordance with 4821/400 R-11S BIT Procedures. BIT failure was identified as a "SKR NO-GO" fault as was displayed on the HARPOON weapons panel. Missile passed BIT reflexive test, confirming missile failure. Missile was off loaded to Weapons Station personnel at NWS Seal Beach.

**ACTION TAKEN:**

030529Z OCT00: NAWC Pt. Mugu has acknowledged receipt of missile deficiency report in reference to BIT failure of missile S/N 085588. It was requested that NWS Seal Beach have missile remain in condition code "J", and have it shipped to AOC Yorktown at the earliest possible opportunity.

30JUL01: AWARS SLITS data is showing defective missile S/N 085588 as of 27 April 2001, to be in receipt at NWS Earle NJ.

<b>ACTION</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL 085588	28FEB01	OPEN
	YORKTOWN/323000E	RECEIPT		

<b>REFERENCES</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS HIGGINS (DDG-76) MESSAGE	PROBLEM REPORT
	281940ZSEP00	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	030529Z OCT00	
	NAWC PT MUGU/313100E AWARS 20JUL01	MISSILE LOCATION

**ACTION : USS RUSSELL (DDG-59) CODR R21821-00-0001 18AUG00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065309, 065599			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065309, 065599			

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

**DESCRIPTION:**

181935ZAUG00: USS Russell (DDG-59) reported that on 15 August 2000, while in port at Pearl Harbor two HARPOON missiles failed BIT. Missile S/Ns 065309 at cell number five, and 065599 at cell number eight was being prepared for off load and BIT was being performed in accordance with Maintenance Requirement Card 4821/400 R-11S. Missile BIT reflexive test was conducted and systems passed with "GO" results. BIT performed three times with same results "SKR NO-GO" displayed on weapon systems panel. Missiles scheduled for 22 August 2000 off load at Pearl Harbor under document number R21821-0229-1278.

**ACTION TAKEN:**

210229ZAUG00: NAWC Pt. Mugu acknowledges receipt of reported deficiency regarding missiles S/Ns 065309 and 065599. Concurred with missile being off loaded at Pearl Harbor. NAVMAG Pearl Harbor is to have missile shipped on to AOC Yorktown at the earliest opportunity.

30JUN01: Upon review of HARPOON AWARS data, there is a receipt record regarding missiles, S/Ns 065309 and 05599, stating that both were taken in receipt at AOC Yorktown on 09 January 2001. Missile were received in condition code Jo. Also, there is an AWARS SLITS inventory record on each of the fleet returned missiles, which states that as of 18 April 2001, both assets were in condition code "J" and remain in storage at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC PT MUGU/313100E	MONITOR MSLS		COMPLETE 30JUN01
			065309/065599		
			SHIPMENT STAT		
		NAWC PT MUGU/313100E	MONITOR MSLS INDUCT	21NOV01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS RUSSELL (DDG-59) MESSAGE	PROBLEM REPORT
		181935ZAUG00	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		210229ZAUG00	
		NAWC PT MUGU/313100E AWARS 30JUN01	MSL STATUS

<b>ACTION</b>	<b>:</b>	<b>USS DECATUR (DDG-73) CODR</b>	<b>R21947-00-0001</b>	<b>15AUG00</b>	<b>OPEN</b>
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<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> L0927			
<b>FAILED PART:</b>		1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> L0927			

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**(Continued)**

**DESCRIPTION:**

150205ZAUG00: USS Decatur (DDG-73) reported that on 2 August 2000 ship's missile crew was preparing HARPOON missiles for off load, when missile PE30, S/N L0927 failed BIT with a "SKR NO-GO" failure indication. Missile failed a second BIT with the same results. No reflexive test performed. Total missile power on time was approximately two minutes. Time between BIT initiations and results displayed was approximately 60 seconds. Its been recommended that the missile maintenance due date program be reinstated.

**ACTION TAKEN:**

160329ZAUG00: NAWC Pt. Mugu has acknowledged receipt of reported deficiency report. It was requested that NWS Seal Beach prepare fleet returned missile S/N L0927 for shipment. Have it shipped at earliest possible opportunity to AOC Yorktown. Missile is to remain in condition code "J".

30JUL01: AWARS data as of 18 April 2001, is showing defective missile located at AOC Yorktown in condition code "J". AWARS also showing information stating that AOC Yorktown took receipt of this missile on 18 September 2000.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR MSL L0927	21NOV01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS DECATUR (DDG-73) MESSAGE	PROBLEM REPORT
		150205ZAUG00	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		160329ZAUG00	
		NAWC PT MUGU/313100E AWARS 30JUL01	MSL STATUS

<b>ACTION</b>	<b>:</b>	<b>USS BURKE (DDG-51)</b>	<b>CODR</b>	<b>V21487-00-0002</b>	<b>31JUL00</b>	<b>OPEN</b>
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		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> 065382			
<b>FAILED PART:</b>		1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> 065382			

**DESCRIPTION:**

311745ZJUL00: USS Arleigh Burke (DDG-51) reported that while in port at NS Norfolk VA, HARPOON missile was being on loaded. Upon missile on load missile BIT is performed. After the on load of HARPOON RGM-84D-4, PE30, S/N 065382 BIT was conducted and missile failed.

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BIT was performed three times and missile failed three times. First failure: "32 seconds, NO-GO SKR/CAN TYPE STND", Second Failure: "22 seconds, "NO-GO SKR/CAN TYPE STND", Third Failure: 13 seconds, "NO-GO MGU COMMS". Missile was down loaded and returned to AOC Yorktown.

**ACTION TAKEN:**

070129ZAUG00: NAWC Pt. Mugu acknowledged receipt of reported missile deficiency. It was requested that AOC Yorktown take action and have missile inducted at the earliest opportunity. Assess the reported missile failure and possible cause. Report finding at conclusion of assessment and have missile repaired.

30JUL01: AWARS SLITS data as of 18 April 2001, shows defective missile S/N 065382 was at AOC Yorktown in condition code "J". AOC Yorktown took receipt missile on 06 September 2000.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL 065382		CANCELED 30JUL01
	YORKTOWN/323000E	FAILURE ASSESSMENT		
	NAWC PT MUGU/313100E	MONITOR MSL S/N 065382 STATUS	25OCT01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS BURKE (DDG-51) MESSAGE 311745ZJUL00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 070129ZAUG00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 30JUL01	MSL STATUS

<b>ACTION</b>	<b>: USS PORTER (DDG-78)</b>	<b>CODR</b>	<b>V21952-00-0001</b>	<b>11MAY00</b>	<b>OPEN</b>
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<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085078, 105331, L0702			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085078, 105331, L0702			

**DESCRIPTION:**

270429ZAPR00: NAWC Pt. Mugu informed USS Porter (DDG-78) that in reference to an E-mail report submitted by NAWC Det Yorktown, a missile CODR is required to be submitted regarding BIT failure of three PE30 HARPOON thickwall canister missiles. Missiles S/Ns 085078, 105331 and L0702 failed during missile on load BIT at AOC Yorktown.

110140ZMAY00: USS Porter (DDG-78) while in port at AOC Yorktown and

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during HARPOON missile on load and test, four of the seven missiles failed BIT. BIT was being performed in accordance with Maintenance Requirements Card 4821-400 R-11S (Missile BIT Procedures). Three of the four missiles, S/Ns 085078, 105331 and L0702, were rejected and returned to AOC Yorktown. System fault codes, which identifies BIT failure indications, were not provided. The fourth missile was retained on board. FTSC/LANT representative assisted shipboard troubleshooting and repair. Representative opened the failed canister and several system junction boxes. Noted was that both the internal canister umbilical cable was found loose. The junction boxes for the system were wired incorrectly. The tightening of the interior umbilical cable, enabled the fourth missile to pass BIT.

**ACTION TAKEN:**

160629ZMAY00: NAWC Pt. Mugu acknowledged receipt of reported missile deficiency report in reference to the BIT failure of three PE30 HARPOON canister missiles. Missile S/N s 085078, 105331 and L0702 were being on loaded at time missile BIT failure occurred. Missiles were off loaded and returned to AOC Yorktown station ordnance.

30JUL01: AWARS SLITS data states that as of 18 April 2001 fleet returned missile S/Ns 085078, 105331 and L0702 were in receipt at AOC Yorktown in condition code "J". They had not been inducted for test or repairs.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL L0709		CANCELED 30JUL01
	YORKTOWN/323000E	INDUCTION DATE		
	NAWC DET	MONITOR MSL 105331		CANCELED 30JUL01
	YORKTOWN/323000E	INDUCTION DATE		
	NAWC DET	MONITOR MSL 085078	24SEP00	OPEN
	YORKTOWN/323000E	INDUCTION DATE		
	NAWC PT MUGU/313100E	MONITOR STATUS OF MISSILES	25NOV01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE 270429ZAPR00	CODR SUBMITTAL REQUEST
	USS PORTER (DDG-78) MESSAGE 110140ZMAY00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 160629ZMAY00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 30JUL01	STATUS OF MISSILES



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**(Continued)**

**ACTION : USS PAUL HAMILTON CODR R21822-00-0001 06MAY00 OPEN  
(DDG-60)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085171			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085171			

**DESCRIPTION:**

060425ZMAY00: USS Paul Hamilton (DDG-60) reported that on 03 May 2000, crew was conducting post on load BIT of the HARPOON missiles aboard. The BIT was being performed in accordance with Maintenance Requirements Card 4821/400 R-11S (HARPOON Missile BIT Procedures). PE30, RGM-84D-5 HARPOON missile S/N 085171 located at cell 3 failed missile BIT with a "SKR NO-GO" fault indication displayed on HARPOON weapons console. Reflexive test determined missile to be faulty.

**ACTION TAKEN:**

110129ZMAY00: NAWC Pt Mugu acknowledged receipt of submitted deficiency report. It was concurred with that faulty missile S/N 085171 be off loaded on 30 June 2000 for further transport to AOC Yorktown. Request missile be placed in condition code "J" prior to off load. Request ship to provide data regarding number BITs performed, total on time of external power that was applied to the missile and time span between missile BIT initiation and the display of test results. Upon missile receipt at AOC Yorktown induct for test at the earliest opportunity.

30JUN01: Upon review of HARPOON AWARS data, you'll find a receipt record stating that AOC Yorktown on 09 January 2001, took receipt of missile S/N 085171 in condition code "J". Also, there is an AWARS SLITS inventory record showing data stating that as of 18 April 2001, this asset was still in condition code "J" and in storage at AOC Yorktown.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 085171		CANCELED 30JUN01
		YORKTOWN/323000E	MSTS AURT		
		NAWC PT MUGU/313100E	MONITOR MSL 085171	21NOV01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PAUL HAMILTON (DDG-60) MESSAGE	PROBLEM REPORT
	060425ZMAY00	

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**PROBLEM NO: 14721**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	110129ZMAY00	
	NAWC PT MUGU/313100E AWARS 30JUN01	MSL STATUS

**ACTION : USS STETHEM (DDG-63) CODR R21825-99-0005 21NOV99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065109			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065109			

**DESCRIPTION:**

212330ZNOV99: USS Stethem (DDG-63) reported that on 20 November 1999, while underway, HARPOON missile S/N 065109 failed BIT. Test was being performed for missile off-load. Missile will be off loaded at NWS Seal Beach.

**ACTION TAKEN:**

240029ZNOV99: NAWC Pt. Mugu informed USS Stethem that once missile S/N 065109 is off loaded, NWS Seal Beach is to ship missile to AOC Yorktown for further test and repair.

13MAR00: HARPOON AWARS maintenance system data sheet for missile S/N 065109 was initiated on 22 February 2000. Missile was inducted into the maintenance cycle at this time. Log book entry identified missile as failing BIT aboard ship. On 23 February 2000, missile incoming test was conducted and missile failed below test parameters:

- 5210 - Missile Power-Up
- 5310 - Seeker Static and Boresight
- 5320 -Transmitter Characteristics
- 5410 - Arab Tests
- 5610 - FCE Tests
- 9810 - Unit Under Test Power-Down

Above failed parameters identified guidance section S/N 077129 to be faulty. Unit was removed. According to AWARS maintenance data sheet guide was to be sent to depot.

30OCT00: AOC Yorktown Boeing Representative, CETS report of February 2000, provided the following all up round test information regarding fleet returned BIT failed missile S/N 065109. The test data agrees with failed test modules stated above, however the blow data includes failed test measurements and PCode relevant to tests performed.

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

5210 - Missile Power Up  
- 14 - ARA BIT - Pcode 2014  
5310 - Seeker Status and Boresight  
- 27- Average Lock-on Discrete - PCode 3025  
5320 - Transmitter Characteristics  
- 01 - Seeker AFC Lock-on - PCode 3090  
- 02 - Lock-on - PCode 3081  
- 06 - Transmitter Power Discrete - PCode 3064  
- 09 - (See Volume II) - PCode 3080.1  
- 10 - (See Volume II) - PCode 3068.1  
- 11 - (See Volume II) - PCode 3069.1  
5410 - ARA Tests  
- 02 - X Accelerometer, Analog - PCode 4002  
- 03 - Y Accelerometer, Analog - PCode 4003  
- 04 - Z Accelerometer, Analog - PCode 4004  
- 07 - X Rate, Analog (Left to Right) - PCode 4011.1  
- 08 - Y Rate, Analog (Left to Right) - PCode 4012.1  
- 09 - Z Rate, Analog (Left to Right) - PCode 4013.1  
- 12 - X Rate, Analog (Right to Left) - PCode 4015.1  
- 13 - Y Rate, Analog (Right to Left) - PCode 4016.1  
- 14 - Z Rate, Analog (Right to Left) - PCode 4017.1  
- 16 - X Accelerometer, Incremental - PCode 4023  
- 17 - Y Accelerometer, Incremental - PCode 4024  
- 18 - Z Accelerometer, Incremental - PCode 4025  
- 19 - RMS Accelerometer, Incremental - PCode 4028  
- 21 - Y Gyro Free Drift - PCode 4020  
- 22 - Z Gyro Free Drift - PCode 4021  
- 23 - X Gyro Free Drift - PCode 4022  
5610 - Missile Sequence Part 1  
- 07 - AV Battery Pyro No. 1 - PCode 8006  
9810 - Unit Under Test Power Down  
- 03 - ARA BIT - PCode 11011

As was previously stated failures are indicative to a guidance section deficiency. Therefore, the faulty guidance section S/N 077129 was removed from all up round. Also, as previously stated, reported BIT failure was confirmed.

21DEC00: According to AWARS database maintenance data sheet initiated on 08 March 2000, in reference to faulty guidance section 077129, which was removed from HARPOON missile S/N 065109 for failing during all up round test, on 28 March 2000, it was installed onto condition code "F" HARPOON missile body S/N L0356. With the defective guidance section, missile was placed in storage at AOC Yorktown awaiting to sent to depot for demilitarization.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR GUIDE 077129		CANCELED 21DEC00
		YORKTOWN/323000E	DOP SHIPMENT		

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR MSL S/N 065109 TESTS		COMPLETE 11MAR00
		NAWC PT MUGU/313100E	FOLLOW ON DEMIL OPS	20JAN02	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS STETHEM (DDG-63) MESSAGE 212330ZNOV99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 240029ZNOV99	INTERIM RESPONSE
		NAWC PT MUGU/313100E AWARS MDS 13MAR00 BOEING ST LOUIS FEB2000 CETS RPT 30OCT00	MSL MSTs AURT RESULTS MSTs TEST DATA
		NAWC PT MUGU/313100E AWARS MDS SHEET 21DEC00	GUIDE F/DEMIL OPS

<b>ACTION</b>	<b>:</b>	<b>USS ROSS (DDG-71)</b>	<b>CODR</b>	<b>V21945-99-0003</b>	<b>16NOV99</b>	<b>OPEN</b>
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		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> L1218			
<b>FAILED PART:</b>		1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> L1218			

**DESCRIPTION:**

162315ZNOV99: USS Ross (DDG-71) reported that on 28 October 1999 HARPOON, RGM-84D-5, PE30 canister missile S/N L1218 failed pre-offload BIT aboard ship while in port at NS Norfolk VA. BIT was being performed in accordance with appropriate maintenance procedures. Missile was placed in condition code "J" and off loaded on 08 November 1999 at NWS Yorktown.

**ACTION TAKEN:**

300329ZNOV99: NAWC Pt. Mugu informed USS Ross that missile S/N L1218 will be inducted into maintenance production for test and failure evaluation.

30JAN00: HARPOON AWARS maintenance data system data sheet for fleet returned missile S/N L1218 was initiated on 20 December 1999 and missile incoming visual inspection was conducted. Missile log book had an entry stating that the missile had failed BIT while deployed with the fleet. Canister S/N 085116 displayed excessive corrosion and was removed. On 21 December 1999 missile incoming test was performed and missile failed the below listed test parameters:  
5160 - Missile Pre-power Resistance Test  
- 09 - Fire Detector Sensor Resistance - PCode 1159

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

5210 - Missile Power-up  
5310 - Seeker Status and Boresight  
Fail codes identified Missile guidance section S/N 055283 as faulty section. It was removed for failing the above test parameters. Guidance section S/N 045225 installed and missile passed retest. On 13 January 2000, missile S/N L1218 passed another retest and was returned to ready-for-issue status. Deficiency report to remain open pending final testing of faulty guidance section S/N 055283. Follow up in-work.

30NOV00: Upon reviewing the AWARS maintenance data sheet regarding all up round test of HARPOON missile S/N L1218, there was an error in stating that missile failed measurement no. 09. In correcting that statement, the missile failed measurement 6 (Battery AC Heater Isolation), instead of 09. Note, in reference to these fail codes, not only do they relate to failed guidance section S/N 055283, they also identify a failure in the sustainer section. As stated in the narrative section of the maintenance data sheet. The sheet does not show the sustainer being removed from missile S/N L1218. However, defective guidance section on 22 December 1999 was reinstalled on failed HARPOON missile body S/N L0853. The missile body was built-up by using failed sections. According the maintenance data sheet, the guidance section was earmarked for demilitarization.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	G/S 055273 SLT		COMPLETE 30NOV00
		YORKTOWN/323000E	FOLLOWUP REQUESTED		
		NAWC PT MUGU/313100E	MONITOR MSL S/N L1218		CANCELED
			TEST		
		NAWC PT MUGU/313100E	SUST FOLLOWUP	21NOV01	OPEN
			REQUESTED		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS ROSS (DDG-71) MESSAGE 162315ZNOV99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		300329ZNOV99	
		NAWC PT MUGU/313100E AWARS DATABASE	MISSILE S/N L1218 AURT
		30JAN00	RESULTS
		NAWC PT MUGU/313100E AWARS 30NOV00	GUIDE STATUS

<b>ACTION</b>	<b>:</b>	<b>USS SULLIVANS</b>	<b>CODR</b>	<b>V21942-99-0001</b>	<b>28AUG99 OPEN</b>
		<b>(DDG-68)</b>			

<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN: CANISTER TW SURF ATCK AUR GM</b>			
		<b>S/N: 002361</b>			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
<b>NOMEN:</b>	CANISTER TW SURF ATCK AUR GM			
<b>S/N:</b>	002361			

**DESCRIPTION:**

281400ZAUG99: USS Sullivans (DDG-68) reported that on 25 August 1999 while conducting pre-deployment missile BIT, PE30, HARPOON missile S/N 002361 failed with a "SKR NO-GO" fault indication on ship's weapons panel.

**ACTION TAKEN:**

310029ZAUG99: NAWC Pt. Mugu acknowledged receipt reported of missile deficiency report. AOC Yorktown was requested to conduct incoming test on PE30, missile S/N 002361, in order to confirm reported BIT failure.

30DEC99: An AWARS maintenance data system event sheet regarding the reported BIT failure of missile S/N 002361 was initiated on 10 November 1999. On 10 November 1999, incoming visual inspection was conducted. Missile log book entry stated missile had failed BIT while in the fleet's missile inventory. Missile canister S/N 115006 revealed a gouge in the upper pad. Canister was removed and placed in station storage pending repairs. Inspection of booster section S/N 030165 displayed excessive corrosion around the electromagnetic interference shield. Unit was removed pending shipment to depot for further test and repairs. On 17 November 1999, missile failed the below listed all-up-round incoming test parameters:

5210 - Missile Power-up  
- 06 - Seeker Transmitter Hold-Off Timer - PCode 2025  
- 07 - Seeker Transmitter power Discrete - PCode 2072  
- 17 - Seeker BIT (Radiate) - PCode 2017  
- 20 - Seeker BIT (Non-Radiate) - PCode 2024  
5310 - Seeker status and Boresight  
9810 - Unit Under Test power-Down  
- 06 - Seeker Power Supply Temperature - PCode 11017

Missile failing these parameters/measurements confirms the reported BIT. On 22 November 1999, The fail codes presented above identifies a faulty guidance section. Guidance section S/N 077287 was removed. Replacement guidance section S/N 045155 was installed. Missile on retest passed with no noted failures. On 23 November 1999, with a replacement canister and booster section installed, missile passed the final continuity, pyro interface circuitry test, with no noted failures. Missile was returned to ready-for-issue status. Deficiency report to remain open pending final testing and the repair of faulty guidance section S/N 077287. Asset still in receipt at AOC Yorktown.

30OCT00: AWARS SLITS data still showing defective guidance section

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

S/N 077287 in condition code "F". Section still in receipt at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR G/S 077287		CANCELED 30OCT00
	YORKTOWN/323000E	SLT RESULTS		
	NAWC PT MUGU/313100E	MONITOR MSL 002361		COMPLETE 30DEC99
		TESTS		
	NAWC PT MUGU/313100E	MONITOR GUIDE 077287	21NOV01	OPEN
		STATUS		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SULLIVANS (DDG-68) MESSAGE	PROBLEM REPORT
	281400ZAUG99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	310029ZAUG99	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL AURT RESULTS
	30DEC99	
	NAWC PT MUGU/313100E AWARS 30OCT00	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 30OCT00	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 09APR01	GUIDE STATUS

<b>ACTION</b>	<b>: USS SULLIVANS</b>	<b>CODR</b>	<b>V21942-99-0002</b>	<b>28AUG99</b>	<b>OPEN</b>
	(DDG-68)				

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065382			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065382			

**DESCRIPTION:**

281401ZAUG99: USS Sullivans (DDG-68) reported that on 25 August 1999 while conducting pre-deployment missile BIT, PE30, HARPOON missile S/N 065382 failed with a "SKR NO-GO" fault indication on ship's weapons.

**ACTION TAKEN:**

310029ZAUG99: NAWC Pt. Mugu acknowledged receipt of HARPOON missile deficiency report. AOC Yorktown upon receipt of BIT failed missile S/N 065382 was requested to perform missile incoming test.

30DEC99: HARPOON AWARS maintenance data system sheet in reference to "I" level maintenance actions regarding missile S/N 065382 was initiated on 10 November 1999. Missile was inducted for test and evaluation regarding BIT "SKR NO-GO" failure reported while in the

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

fleet. Incoming visual inspection was performed. Log book entry identified fleet BIT failure. Missile incoming test was conducted on 17 November 1999, at which time it failed all-up-round test parameters:

5210 - Missile Power-up

5320 - Seeker Status and Boresight

5512 - Altimeter Tests - Common

9810 - Unit Under Test Power-down

Guidance section S/N GQN-0614 was found to be faulty based on fail codes presented above. Section was removed and placed in storage pending shipment to depot. Data sheet conclude missile BIT failure was confirmed. No test PCodes provided.

30NOV00: Upon reviewing HARPOON AWARS maintenance data, in reference to guidance section S/N GQN-0614, it was concluded that on 01 December 1999, this guidance section was installed onto HARPOON missile body S/N L1307. The missile body was built up using failed missile sections. The guidance was earmarked for demilitarization.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	PROVIDE G/S GQN-0614 SLT RESULTS		CANCELED 29MAR00
	NAWC PT MUGU/313100E	MONITOR MSL 065382 TESTS		COMPLETE 30DEC99
	NAWC PT MUGU/313100E	CONDUCT G/S GQN-0614 FAILURE STATUS	28OCT00	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SULLIVANS (DDG-68) MESSAGE 281401ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 310029ZAUG99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC99	MSL S/N 065382 AURT RESULTS
	NAWC PT MUGU/313100E AWARS 30NOV00	GUIDE STATUS

**ACTION : USS HEWITT (DD-966) CODR R20586-99-0004 11JUL99 OPEN**

<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065614, 065614			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 107127, 090241			



**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721****(Continued)** |**DESCRIPTION:**

110700ZJUL99: USS Hewitt (DD-966) reported that while weapons crew was performing routine missile preventive maintenance on HARPOON, PE30 Thickwall missile S/N 065614, it failed missile BIT. Preventive maintenance was being performed in accordance with Maintenance Requirement Card 4821/400 R-11S. Test resulted in a "BIT NO-GO" fault indication and a " NO BOOSTER SAFE". Three successive BIT performed with same results. Missile crew performed test in accordance with Maintenance Requirement Card 4821/400 A-1R to verify proper signals from shipboard canister launch system and missile umbilical cords, both with "GO" results. Missile passed last BIT during receipt inspection in January 1999.

**ACTION TAKEN:**

150429ZJUL99: NAWC Pt. Mugu requested USS Hewitt (DD-966) to have HARPOON missile S/N 065614 off loaded at the earliest possible opportunity for further transport to AOC Yorktown.

310215ZAUG99: USS Hewitt provided information stating that missile S/N 065614 had passed prior to off load BIT on 30 August 1999.

26JUL00: AWARS maintenance data sheet regarding fleet returned missile S/N 065614 was initiated on 26 January 2000. There was a missile log book entry stated that missile failed BIT while in the fleet. Visual inspection of booster section S/N GQN-0442 advises that section required minor maintenance. Unit was removed. On 31 January 2000, incoming test was performed and missile failed block number three parameters and 6020 (Control Actuator Test Part Two). Missile guidance section S/N 107127 found to be defective based on fail codes presented during incoming test. Upon the removal of failed guide, guidance section S/N 025190 was installed. On 01 February 2000, control section S/N 090001 found also to be defective base on test data from incoming test results. Missile control section S/N GQN-0550 was installed. With replacement sections installed, another all-up-round test was performed. Again missile failed. This time missile failed block three and block ten. Fail codes indicative of control and guidance sections failures. Guidance section S/N 025190 was removed and replaced with S/N GQN-0427. Control section S/N GQN-0550 was also removed and replaced with S/N GQN-0442. On 02 February 2000 - another retest of missile was conducted with the newly replaced sections. This time missile passed with no noted failures. On 23 February 2000, failed guidance section S/N 107127 which initially failed during all-up-round test of missile, was assembled onto missile S/N 300737, which was assembled using cannibalized components and failed sections. Unit placed in storage pending receipt of NAVAIR DEMIL procedures.

30DEC00: Note, in the last HARPOON AWCAP publication date 01 October

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

2000, missile S/N 065314 was printed in error. Missile S/N 065614 was the correct serial number of asset reported. All above entries have been corrected. In reviewing other sources of maintenance data and HARPOON AWARS configuration summary forms regarding missile S/N 065614, it was not clear as to whether control section S/N 090001 was ever part of missile build up at the time of missile BIT failure, or as stated above. Clarification from maintenance activity was requested.

13MAR01: AOC Yorktown advised NAWC Pt. Mugu that upon review of maintenance records and the intermediate maintenance activity manual log for the missile subsystem test set, it has been determined that control section S/N 090241 is the correct control section that failed. The AWARS maintenance data sheet of 26 January 2000 has been updated accordingly.

15MAR01: Review of AWARS maintenance data sheet in reference to control section S/N 090241, concluded that the section was used to build up HARPOON air launch missile S/N L0853 on 12 March 2000. Testing of missile S/N L0853 identified no failures regarding the control section.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	PROVIDE C/S 090001		CANCELED 13MAR01
	YORKTOWN/323000E	STATUS		
	NAWC DET	FOLLOWUP ON MSL		COMPLETE 26JUL00
	YORKTOWN/323000E	065614 RECEIPT		
	NAWC PT MUGU/313100E	PROVIDE MSL S/N		COMPLETE 26JUL00
		065614 AURT RESULT		
	NAWC PT MUGU/313100E	C/S S/N 090241		COMPLETE 15MAR01
		FOLLOWUP		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS HEWITT (DD-966) MESSAGE 110700ZJUL99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 150429ZJUL99	INTERIM RESPONSE
	USS HEWITT (DD-966) MESSAGE 310215ZAUG99	ADDITIONAL INFORMATION
	NAWC PT MUGU/313100E AWARS DATABASE 26JUL00	MSL AURT RESULTS
	NAWC PT MUGU/313100E AWARS CSF DATA 30DEC00	DATA ERROR
	AOC YORKTOWN E-MAIL REPORT 13MAR01	SERIAL NUMBER CORRECTION
	NAWC PT MUGU/313100E AWARS MDS SHEET 15MAR01	CONT SECTION FOLLOWUP

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

**ACTION : USS CUSHING (DD-985) CODR R20617-99-0001 24JUN99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0501			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0501			

**DESCRIPTION:**

240751ZJUN99: On 23 June 1999 USS Cushing on loaded four PE30, RGM-84D-5, Thickwall Canister HARPOON missiles. During BIT missile S/N L0501 failed with a "SKR NO-GO" head fault. Missile scheduled for 25 June 1999 off load for further transport to FTSCPAC Yokosuka Japan.

**ACTION TAKEN:**

280229ZJUN99: NAWC Pt. Mugu advised COMFLTEACT Yokosuka Japan that missile S/N L0501 is to remain in condition code "J". At the earliest possible opportunity have missile shipped to AOC Yorktown.

22AUG00: NAWC Det Yorktown report of 04 August 2000, show defective missile being received at AOC Yorktown on 20 June 2000. Missile was off loaded from USNS Kilauea, an AMMO ship, at WSF Seal Beach Det Port Hadlock. Off loaded in condition code "J". Port Hadlock shipped missile to Yorktown on 18 March 2000.

23AUG01: Review of AWARS SLITS data conclude defective missile S/N L0501 still in condition code "J" and in storage at AOC Yorktown. No other data available.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL L0501		CANCELED 23AUG01
	YORKTOWN/323000E	AURT RESULTS		
	NAWC DET	PROVIDE MSL L0501		COMPLETE 22AUG00
	YORKTOWN/323000E	RECEIPT NOTICE		
	NAWC PT MUGU/313100E	MONITOR MSL L0501	21NOV01	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CUSHING (DD-985) MESSAGE	PROBLEM REPORT
	240751ZJUN99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	280229ZJUN99	
	NAWC DET YORKTOWN/323000E E-MAIL	MSL IN RECEIPT
	REPORT 22AUG00	
	NAWC PT MUGU/313100E AWARS 23AUG01	MSL STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

**ACTION : USS ELLIOT (DD-967) CODR R20587-99-0001 24JUN99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0746			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0746			

**DESCRIPTION:**

242050ZJUN99: USS Elliot (DD-967) reported that on 13 April 1999 during post on load HARPOON PE30 missile S/N L0746 failed BIT. Missile total on time was approximately three minutes. Missile failure indications were as follows: missile misidentified as an RGM-84A weapon, with a "SKR NO-GO" and a "MGU NO-GO". (Note, NAWC Pt. Mugu 170129ZJUN99 forwarded to USS Elliot requesting deficiency report submittal)

**ACTION TAKEN:**

280129ZJUN99: NAWC Pt. Mugu advised WSF Seal Beach to have missile S/N L0746 remain in condition code "J" and have it shipped to AOC Yorktown.

03APR00: NAWC Det Yorktown monthly status report of 03 April 2000, informed NAWC Pt. Mugu that AOC Yorktown is currently in receipt of missile S/N L0746. Asset received on station on 15 February 2000. Unit is currently in condition code "J".

23AUG01: Review of AWARS SLITS database it was concluded that defective missile S/N L0746 remains in storage at AOC Yorktown. No maintenance details available.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MSL L0746		CANCELED 23AUG01
	YORKTOWN/323000E	AURT RESULTS		
	NAWC DET	PROVIDE MSL L0746		COMPLETE 03APR00
	YORKTOWN/323000E	RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL L0746	21NOV01	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	CODR REQUEST
	170129ZJUN99	
	USS ELLIOT (DD-967) MESSAGE	PROBLEM REPORT
	242050ZJUN99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	280129ZJUN99	

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**REFERENCES : IDENTIFICATION**

NAWC DET YORKTOWN/323000E E-MAIL  
MONTHLY RPT 03APR00  
NAWC PT MUGU/313100E AWARS 23AUG01

**REFERENCE BRIEF**

MSL RECEIPT STATUS  
  
MSL INDUCTION STATUS

**ACTION : USS RAMAGE (DDG-61) CODR V21823-99-0001 26MAY99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300505			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 107048			

**DESCRIPTION:**

262044ZMAY99: USS Ramage (DDG-61) while in port at NAVSTA Norfolk, at pier 24, on 20 May 1999, reported that while performing pre-deployment maintenance action in accordance with Maintenance Requirement Card 4821 R-11S, a HARPOON missile failed BIT. Missile failed three out of three BITs performed with the same "SKR NO-GO" fault indication. All cables were checked and no problems noted. Maintenance Requirement Card 4821-400 R-12, stray voltage test was performed with no deficiencies noted. Faulty missile was replaced at AOC Yorktown on 24 May 1999. Note, AOC Yorktown advised Pt. Mugu that S/N 300505 was the serial number of missile that failed and was off loaded.

**ACTION TAKEN:**

010429ZJUN99: NAWC Pt. Mugu acknowledged receipt of reported deficiency. USS Ramage was informed that the missile will be inducted at the earliest possible time in order that the reported failure can be analyzed. In the original report the missile serial number not been was not provided. It was requested that the serial number be provided.

061520ZJUN99: USS Ramage informed NAWC Pt. Mugu that missile S/N 300505 is the correct serial number of failed missile.

01JUL99: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 300505 remains in condition code "J" and currently awaiting maintenance induction.

30OCT99: HARPOON AWARS maintenance data system data sheet regarding maintenance action against missile 300505 was initiated on 21 September 1999. Missile incoming inspection was conducted. Missile log book entry identified missile as having failed BIT while in the fleet. Missile had failed BIT with a "SKR NO-GO" fault indication.

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Canister S/N 085028 removed and required compliance with AWC-436. AWC requires that canister be modified to utilize high-strength separation bolts. Missile booster section S/N GQN-1353 required compliance with AWB-239. The AWB request the booster section be inspected for and to replace the platnut on the 642AS0297 base fairing unit. On September 22, 1999, missile failed all-up-round incoming test modules:

- 5130 - Missile Pyro Tests
- 09 - Fuel Control N/C No. 2 - P Code 1102
- 5210 - Missile Power-up
- 20 - Seeker BIT (Non-Radiate) - P Code 2024
- 5340 - Seeker Direction Finding
- 9810 - Unit Under Test Power-Down
- 06 - Seeker (Radiate) - P Code 11014

On 27 September 1999 based on fail codes stated above, which are indicative to faulty guidance and sustainer sections. Therefore, guidance section S/N 107048 and sustainer section S/N GQN-0173 were removed from missile. Replacement sections were installed. On 28 September 1999 with replacement sections installed, missile S/N 300505 passed the all-up-round retest. No deficiencies noted. On 29 September 1999 at the completion of sustainer's section-level-test, the unit had the following tests:

- 7830 - Sustainer Pyro Test
- 8020 - ITL Sequence/Pyro Relays Part -2 - Sustainer

On 30 September 1999, with a replacement booster installed, the canister re-installed and passed a continuity test missile S/N 300505 was returned to condition code "A" ready-for-issue status.

07JUN00: NAWC Det. Yorktown informed NAWC Pt. Mugu that failed guidance section S/N 107048 still located at AOC Yorktown and still in condition code "F". Guide to remain in condition code "F" pending receipt of maintenance repair finding. Deficiency report to remain open pending approval to have guide shipped to depot for further test and repairs.

26SEP00: HARPOON AWARS CAIMS database as of 26 September 2000, shows defective guidance section S/N 107048 is still in receipt at AOC Yorktown on condition code "F".

09APR01: Review of AWARS data is still showing defective guidance section S/N 107048 in AOC Yorktown's inventory. Section still in storage and remains in condition code "F".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE G/S 107048		CANCELED 09APR01
		YORKTOWN/323000E	SLT RESULTS		
		NAWC PT MUGU/313100E	MONITOR MSL 300505		COMPLETE 01JUL99
			RECEIPT		

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<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	FOLLOWUP MSL 300505		COMPLETE 30OCT99
			AURT STATUS		
		NAWC PT MUGU/313100E	MONITOR GUIDE 107048	21NOV01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS RAMAGE (DDG-61) MESSAGE 262044ZMAY99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 010429ZJUN99	INTERIM RESPONSE
	USS RAMAGE (DDG-61) MESSAGE 061520ZJUN99	INTERIM REPLY
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 01JUL99	MSL IN RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT99	MSL AURT RESULTS
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	DEFECTIVE GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 26SEP00	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 09APR01	DEFECTIVE GUIDE STATUS

**ACTION : USS MILIUS (DDG-69) CODR R21943-99-0001 15APR99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0837, 085078			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0837, 055308			

**DESCRIPTION:**

151552ZAPR99: USS Milius (DDG-69) reported that on 05 January 1999 while performing off-load missile BIT on the eight HARPOON missiles aboard two failed. Missile BITS were performed one day prior to missiles being off loaded at NWS Seal Beach, in accordance with procedures provided in Maintenance Requirement Card 4821-400/R-11S. BIT was performed twice on each missile with same results displayed on weapons system panel.

**ACTION TAKEN:**

190329ZAPR99: NAWC Pt. Mugu informed USS Milius missiles S/N L0837 and 085078 are currently at Yorktown awaiting induction for evaluation and test. Results will be submitted once they are made available.

30OCT99: Review of CAIMS/SLITS data provided the following

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information in reference to location status of missiles S/Ns L0837 and 085078. On 08 January 1999, both PE30 HARPOON missiles were down graded to condition code "J" under Document number R21943-9008-A118. On 1 February 1999, AOC Yorktown took receipt of missiles under Document number R21943-9006-8049. Both remained in condition code "J". On 3 February 1999, AOC Yorktown down graded missiles to condition code "F".

15NOV99: AWARS maintenance data sheet advises that BIT failed missile S/N 085078 was inducted for inspection and test on 22 February 1999. Missile log book entry confirmed missile failed BIT while deployed. Missile incoming visual inspection. Upon completion of missile incoming test, missile had failed the following test modules:

5210 - Missile Power-up

Block No. 3

6010 - Control Actuator Test Part 1

6020 - Control Actuator Test Part 2

6040 - Control Actuator Test Part 3

Missile failing the above test modules confirms fleet reported BIT failure. On 23 February 1999, in response to missile failing test number 5210, and block three, guidance section S/N 055308 was removed and replaced with S/N 055104. Also, for failing test numbers 6010, 6020 and 6040, control section S/N 040402 was removed and replaced with S/N 030149. With replaced sections installed, and on retest of missile, unit again failed test no. 5210 and block three.

Replacement guide S/N 055104 was removed and replaced with guide S/N 025231. Again missile was retested, this time missile passed with no deficiencies noted. On 24 February 1999, removed booster and canister units were reinstalled, two missile continuity test were performed and missile passed with deficiencies. Missile S/N 085078 was returned to ready-for-issue status. Defective control section S/N 040402 failed two section-level-test modules:

8500 - Boattail Section Prepower Part 1

8510 - Boattail Section Prepower Part 2

Defective guide S/N 055308 and control section S/N 040402 are to be sent to depot for further test and repairs.

05JAN00: An AWARS maintenance data sheet in reference to fleet returned BIT failed missile S/N L0837 was initiated on 05 April 1999. During missile incoming visual inspection, a log book entry confirmed missile had failed BIT while deployed in the fleet. Completion of visual inspection revealed no noted deficiencies. The missile incoming test could not duplicate BIT failure reported. Missile was returned to ready for issue status on 06 April 1999.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu that defective guidance section S/N 055308 remains in condition code "F" at AOC



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Yorktown. Section to remain at Yorktown pending maintenance funding and approval to have it shipped to depot. Therefore, action regarding this deficiency will remain open.

28NOV00: Review of AWARS SLITS data, concluded that as of 26 September 2000, defective guidance section S/N 055308 remains in condition code "F" and in storage at AOC Yorktown.

23AUG01: Defective guidance and control sections remains in condition code "F" and in storage at AOC Yorktown. No other details available. Deficiency report action shell remain open pending the induction of these failed assets.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR G/S 055308		CANCELED 01JAN01
	YORKTOWN/323000E	DOP SHIPPING		
	NAWC PT MUGU/313100E	MONITOR MSL 085078		COMPLETE 15NOV99
		AURT		
	NAWC PT MUGU/313100E	MONITOR MSL L0837 AURT		COMPLETE 05JAN00
	NAWC PT MUGU/313100E	MONITOR G/S 055308	03JUN01	OPEN
		STATUS		
	NAWC PT MUGU/313100E	MONITOR C/S 040402	03JUN01	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MILIUS (DDG-69) MESSAGE 151552ZAPR99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 190329ZAPR99	INTERIM RESPONSE
	NAWC PT MUGU/313100E CAIMS/SLITS 30OCT99	MISSILE LOCAL
	NAWC PT MUGU/313100E AWARS DATABASE 15NOV99	MSL TEST/MAINT ACTION
	NAWC PT MUGU/313100E AWARS DATABASE 28NOV99	TEST DATA FOLLOWUP
	NAWC PT MUGU/313100E AWARS DATABASE 05JAN00	MSL TEST/MAINT ACTION
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	GUIDANCE SECTION STATUS
	NAWC PT MUGU/313100E AWARS 28NOV00	GUIDANCE SECTION STATUS
	NAWC PT MUGU/313100E COMMENTS 23AUG01	GUIDANCE SECTION STATUS

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**ACTION : USS STETHEM (DDG-63) CODR R21825-99-0001 14APR99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 002430			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 002430			

**DESCRIPTION:**

140113ZAPR99: USS Stethem (DDG-63) reported that PE30 HARPOON missile S/N 002430 failed BIT during on load at NWS Seal Beach CA on 16 March 1999. BIT resulted in a "SKR NO-GO" fault indication. Deficiency was retransmitted via USS Stethem 1301301ZJUN99. (Note, NAWC Pt. Mugu 080429ZAPR99 was the initial deficiency report request.)

**ACTION TAKEN:**

100529ZJUN99 NAWC Pt. Mugu requested deficiency report be retransmitted.

150329ZJUN99: NAWC Pt. Mugu acknowledged receipt of reported missile deficiency. Requested AOC Yorktown upon receipt of missile S/N 002430 process as an AWCAP fleet returned asset.

01JUL99: NAWC Pt. Mugu was informed by NAWC WD Det Yorktown that missile S/N 002430 was received for processing on 19 April 1999 from WSF Seal Beach. Missile remains in condition code "J". To date missile had not been inducted for Missile Subsystem Test Set test in order that BIT failure can be confirmed.

01NOV99: NAWC Det Yorktown informed NAWC Pt. Mugu that on 07 September 1999, fleet returned missile S/N 002430 was inducted on for inspection and test. According to Det Yorktown's report, BIT failure was confirmed and guidance section S/N 035125 found to be faulty.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu that failed guide still at Yorktown in condition code "F". Reported deficiency report action shell remain open pending section-level-test of guide and release of maintenance finding.

09APR01: AWARS SLITS data still showing defective guidance section S/N 035125 to be at AOC Yorktown in condition code "F". As of 26 September 2000, guide remains in storage. No indication as to when guide will be tested.

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<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR GUIDE 035125		CANCELED 09APR01
		YORKTOWN/323000E	SLT RESULTS		
		NAWC DET	PROVIDE MSL 002430		COMPLETE 01NOV99
		YORKTOWN/323000E	AURT DATA		
		NAWC PT MUGU/313100E	MONITOR GUIDE 035125	21NOV01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		NAWC PT MUGU/313100E MESSAGE 080429ZAPR99	INITIAL CODR REQUEST
		USS STETHEM (DDG-63) MESSAGE 140113ZAPR99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 100529ZJUN99	FOLLOW-UP CODR REQUEST
		USS STETHEM (DDG-63) MESSAGE 131301ZJUN99	PROBLEM REPORT RETRANS
		NAWC PT MUGU/313100E MESSAGE 150329ZJUN99	INTERIM RESPONSE
		NAWC DET YORKTOWN/323000E E-MAIL REPORT 01JUL99	MSL RECEIPT DATE
		NAWC DET YORKTOWN/323000E STATUS REPORT 01NOV99	MSL BIT CONFIRMEDE
		NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	GUIDE SECTION STATUS
		NAWC PT MUGU/313100E AWARS 09APR01	GUIDE SECTION STATUS

**ACTION : USS COLE (DDG-67) CODR V21941-98-0001 24NOV98 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065654			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065654			

**DESCRIPTION:**

241400ZNOV98: USS Cole (DDG-67) reported that on 09 December 1997, a pre-deployment on load was being conducted at AOC Yorktown. Upon on loading of eight HARPOON canister missiles, missile BIT being performed. Missile S/N 065654 failed on load BIT. It failed initial and two subsequent BITs performed. Missile was returned to Yorktown condition code "J". NAWC Pt. Mugu 060129ZNOV98 requested USS Cole to submit a deficiency report regarding the BIT failure of missile S/N 065654.

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**ACTION TAKEN:**

02NOV98: NAWC Det Yorktown informed Pt. Mugu that the all-up-round test of missile S/N 065654 confirmed BIT failure. Production advised that there was no log book with the missile upon its arrival at Yorktown.

300129ZNOV98: NAWC Pt. Mugu requested AOC Yorktown to process missile S/N 065654 as a fleet returned AWCAP asset.

24AUG00: NAWC Pt. Mugu per an E-mail, requested AOC Yorktown to provide test information regarding missile S/N 065654.

22AUG01: NAWC Pt. Mugu in reviewing AWARS database it was found that AOC Yorktown took receipt of missile S/N 065654 on 07 May 2001. It was received in condition code "J". No other details available.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	CLARIFICATION OF TEST DATA REQUESTED		CANCELED 22AUG01
	NAWC DET YORKTOWN/323000E	MONITOR MSL 065654 AURT		COMPLETE 02NOV99
	NAWC PT MUGU/313100E	FOLLOWUP MSL 065654 TEST RESULTS		COMPLETE 24AUG00
	NAWC PT MUGU/313100E	MONITOR MSL S/N 065654 INDUCTION	20NOV01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E EMAIL REPORT 02NOV98	BIT FAILURE CNFRMD
	NAWC PT MUGU/313100E MESSAGE 060129ZNOV98	REQUEST CODR SUBMITTAL
	USS COLE (DDG-67) MESSAGE 241400ZNOV98	PROBLEM REPORT
	NAWC PT MUGU/311200E MESSAGE 300129ZNOV98	INTERIM RESPONSE
	NAWC PT MUGU/313100E E-MAIL LETTER 24AUG00	CLARIFICATION OF MISSILE TESTING
	NAWC PT MUGU/313100E AWARS DATABASE 22AUG01	MSL LOCATION STATUS

**ACTION : USS CARON (DD-970) CODR V20590-98-0001 09NOV98 OPEN**

<b>END ITEM</b>	<b>: PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0315			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 055040			

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**DESCRIPTION:**

092143ZNOV98: USS Caron (DD-970) reported that during the performance of missile BIT in accordance with Maintenance Requirement Card 4821/400 R-11S, RGM-84D-5, PE30 thickwall canister missile S/N L0315 failed. BIT reflexive test was performed and identified failure as a "SKR NO-GO" fault indication. Missile to be down loaded and returned to AOC Yorktown.

**ACTION TAKEN:**

140529ZAPR99: NAWC Pt. Mugu informed USS Caron that missile S/N L0315 was in receipt at AOC Yorktown and will be processed as a fleet AWCAP returned asset.

24JUN99: HARPOON AWARS database maintenance data system sheet for failed missile S/N L0315 was initiated on 06 April 1999. On 06 April 1999 missile S/N L0315 was inducted into the "I" level production area for inspection and test. During incoming Missile Subsystem Test Set all-up-round test missile failed the below listed tests:

5210 - Missile Power-Up (MGU I/O)  
9810 - Unit Under Test Power-Down  
02 - MGU Communication Status - PCode -11022  
03 - ARA BIT - PCode -11011  
04 - Altimeter BIT- PCode -11012  
05 - DCA BIT -PCode - 11013  
06 - Seeker (Radiate) BIT - PCode -11014  
07 - Gyros Up-Speed BIT -PCode -11015

Failure of the above codes identified guidance section S/N 055040 to be faulty. Guidance section was removed pending shipment to depot.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu that faulty guide S/N 055040 still at AOC Yorktown in condition code "F", pending receipt of maintenance funding and section level testing. Therefore, deficiency action shall remain open.

30OCT00: HARPOON AWARS database as of 26 September 2000, shows defective guidance section S/N 055040 remains at AOC Yorktown in condition code "F".

15AUG01: Review of AWARS data advises that defective guidance section S/N 055040 is still in condition code "F" in storage at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	MONITOR GUIDE 055040 STATUS	21NOV00	OPEN
		NAWC PT MUGU/313100E	MONITOR MSL L0315 AURT COMPLETION		COMPLETE 24JUN99
		NAWC PT MUGU/313100E	MONITOR G/S 055040 SLT STATUS		COMPLETE 07JUN00

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CARON (DD-970) MESSAGE 092143ZNOV98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 140529ZAPR99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 24JUN99	MSL AURT RESULTS
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	GUIDANCE SECTION LOCATION/STATUS
	NAWC PT MUGU/313100E AWARS 30OCT00	GUIDANCE SECTION STATUS
	NAWC PT MUGU/313100E CLE COMMENTS 15AUG01	GUIDE STATUS

**ACTION : USS FITZGERALD CODR R21824-98-0004 22OCT98 OPEN (DDG-62)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065268			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 077043			

**DESCRIPTION:**

221925ZOCT98: USS Fitzgerald (DDG-62) reported that on 7 December 1998, during missile on load and during BIT of PE30 thickwall canister missile S/N 001806, the unit failed with an "ALT NO-GO" fault indication. Testing the ship's weapons system resulted in a satisfactory "GO" condition. Missile was off loaded and returned to Weapons Support Facility Seal Beach. Missile PE30 S/N 065268 was verified as being the missile that failed BIT as stated above.

**ACTION TAKEN:**

290129ZOCT98: NAWC Pt. Mugu provided DDG-62 an eye witness account of the missile on load and BIT failure as stated above. NAWC Pt. Mugu requested a deficiency report be submitted.

170129ZNOV98: NAWC Pt. Mugu submitted a second request for a deficiency report.

1900209ZNOV98: NAWC Pt Mugu acknowledged receipt of missile BIT deficiency report and informed DDG-62 that a Pt. Mugu representative was aboard to witness missile BIT operations. The representative witness the missile BIT failure in question and found the failed missile serial number to be 065268 and not 001806. Missile SLITS database confirmed missile S/N 001806 to on board DDG-62 in condition code "A". DDG-62 was informed of the report error.

01MAR99: Upon reviewing HARPOON AWARS database maintenance data

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**PROBLEM NO: 14721**

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system sheet in can be concluded that missile S/N 065268 failed the following tests:

5210 - Missile Power-up

- 15 - Altimeter BIT - PCode 2015

Blk 3

5312 - Seeker Status and Boresight

9810 - Unit Under Test Power-down

Test results confirmed G/S 077043 to be cause of missile failure.

Guidance section removed for shipment to depot for further test and evaluation.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu that defective guide S/N 077043 still at AOC Yorktown in condition code "F". Guide shall remain at AOC Yorktown pending approval to have it shipped to depot for further test and repairs, and the availability of funding.

02JAN01: Review of AWARS SLITS database still showing defective guidance S/N 077043 to be at AOC Yorktown in condition code "F" as of 26 September 2000.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		AOC YORKTOWN/201	TEST MISL S/N 065268		COMPLETE 02FEB99
			UPON RECEIPT		
		NAWC DET	MONITOR GUIDE 077043		CANCELED
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP G/S 077043		CANCELED 07JUN00
			DOP TEST STATUS		
		NAWC PT MUGU/313100E	MONITOR G/S 077043	03JUN01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS FITZGERALD (DDG-62) MESSAGE	PROBLEM REPORT
	221925Z OCT 98	
	NAWC PT MUGU/313100E MESSAGE	REQUEST FOR CODR
	290129Z OCT 98	
	NAWC PT MUGU/313100E MESSAGE	SECOND REQUEST FOR CODR
	170129Z NOV 98	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	190029Z NOV 98	
	NAWC PT MUGU/313100E AWARS 01MAR99	MSL INCOMING TEST
	NAWC DET YORKTOWN/323000E E-MAIL	FAULTY GUIDE STATUS
	REPORT 07JUN00	
	NAWC PT MUGU/313100E AWARS DATABASE	DEFECTIVE GUIDE STATUS
	02JAN01	

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

**ACTION : USS LABOON (DDG-58) CODR V21820-98-0245 03SEP98 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065339			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 035022			

**DESCRIPTION:**

031109ZSEP98: USS Laboon reported that while performing PMS MIP 4821/400-C7, Maintenance Requirement Card R-11S, missile BIT and configuration ID, on missile PE30, S/N 065339, in cell six displayed a "SKR NO-GO" failure after 18 seconds. Three additional BITs were performed with same results. Weapons system check with HARPOON guided missile simulator MK-78 indicated systems to be in satisfactory condition. Review of logbook indicated no previous failures. Last BIT performed on 07 January 1998. Suspected cause of "BIT NO-GO" indication was due to a fault in the seeker. Control and ignition cable connections good. Missile off loaded 03 September 1998 pier side at NS Norfolk for further transport to WSF Yorktown.

**ACTION TAKEN:**

110229ZSEP98: NAWC Pt Mugu acknowledges receipt of USS Laboon message 031109ZSEP98 and will take for action. Missile S/N 065339 disposition instruction provided.

05OCT98: NAWC Det Yorktown monthly status report provided data that missile arrived Yorktown on 25 September 1998. Missile was in condition code "E" at time of receipt.

01NOV98: NAWC Det Yorktown monthly report stated that missile S/N 065339 was inducted for processed on 22 October 1998. Fleet reported BIT failure was confirmed. Guidance section S/N 035022 was found to have caused the reported BIT failure.

30MAY99: AWARS database maintenance data system sheet for failed missile S/N 065339 was initiated 22 October 1998. Maintenance sheet advises that on missile incoming test was performed on 27 October 1998. Missile failed the follow test modules and measurement parameters:

- 5210 - Missile Power-Up
- 06 - Seeker Transmitter Hold-Off Timer - PCode 2025
- 07 - Seeker Transmitter Power Discrete - PCode 2072
- 17 - Seeker BIT (Radiate) - PCode 2017
- 20 - Avionics Bus Voltage - PCode 2020
- 5310 - Seeker Status and Boresight



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**PROBLEM NO: 14721**

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- 22 - Average AZ Gimbal Position - PCode 3023
- 23 - Average EL Gimbal Position - PCode 3024
- 24 - Average AZ LOSR - PCode 3127
- 25 - Average EL LOSR -PCode 3128
- 26 - Average Lock-On Discrete - PCode 3025
- 27 - Lock-On Discrete - PCode 3026
- 9810 - UUT Power-Down
- 06 - Seeker (Radiate) BIT - PCode 11014

Missile guidance section S/N 035022 found to cause of failure and was removed. No section-level-test warranted section will be shipped to depot. With a replacement guide installed missile was returned to resdy-for-issue status.

07JUN00: NAWC Det Yorktown representative informed NAWC Pt Mugu that defective guide S/N 035022 remains in at AOC Yorktown in condition code "F", pending receipt of maintenance funding. Therefore, action in reference to this deficiency report shall remain open.

09APR01: Review of AWARS SLITS database conclude defective guidance section S/N 035022 remains in condition code "F" and in storage at AOC Yorktown.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL 065339		COMPLETE 30OCT98
		YORKTOWN/323000E	RECEIPT DATE		
		NAWC DET	PROVIDE MSL 065339		COMPLETE 30MAY99
		YORKTOWN/323000E	AURT RESULTS		
		NAWC DET	MONITOR GUIDE 035022		COMPLETE 09APR01
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP G/S 035022		CANCELED 07JUN00
			DEPOT RECEIPT		
		NAWC PT MUGU/313100E	MONITOR GUIDE 035022	20NOV01	OPEN
			INDUCTION STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LABOON (DDG-58) MESSAGE	PROBLEM REPORT
	031109ZSEP98	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	110229ZSEP98	
	NAWC DET YORKTOWN/323000E STATUS	NWS IN RECEIPT OF MISSILE
	REPORT 05OCT98	
	NAWC DET YORKTOWN/323000E STATUS	MISSILE BIT FAILURE CONFIRMED
	REPORT 01NOV98	
	NAWC PT MUGU/313100E AWARS DATA 30MAY99	AURT PARAMETERS PROVIDED
	NAWC DET YORKTOWN/323000E E-MAIL	GUIDE STATUS
	REPORT 07JUN00	
	NAWC PT MUGU/313100E AWARS 09APR01	GUIDE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

**ACTION : USS CURTIS WILBUR CODR V21640-98-0001 13AUG98 OPEN  
(DDG-54)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 105150			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 077226			

**DESCRIPTION:**

131119ZAUG98: USS Curtis Wilbur (DDG-54) reported that on 12 August 1998 weapons crew was conducting a post on load BIT. HARPOON canister missile, PE30, RGM-84D-5, S/N 105150 failed BIT in accordance with Maintenance Requirement Card 4821 R-11S. Test resulted in a "SKR NO-GO" fault indication.

**ACTION TAKEN:**

180529ZAUG98: NAWC Pt. Mugu submitted disposition instructions for failed missile S/N 105150 and requested that an All-up Round test and incoming visual inspection be conducted.

01JUN99: NAWC Det Yorktown monthly report show missile S/N 105150 was received at AOC Yorktown on 27 May 1999 in condition code "J".

02DEC99: NAWC Det Yorktown Status report of 02 December 1999, informed NAWC Pt. Mugu that missile S/N 105150 was inducted for processing on 10 November 1999. Fleet reported missile BIT failure was confirmed. Missile guidance section S/N 077226 found to be faulty.

30NOV99: Review of AWARS maintenance data sheet which was initiated on 31 October 1999 to record test and repair data regarding defective guidance section S/N 077226.

30NOV00: In reference to missile being inducted for processing on 10 November 1999 was provided in error. Missile was inducted on 31 August 1999. This action was confirmed by the HARPOON AWARS maintenance data sheet which was initiated on 31 August 1999. Missile S/N 105150 failed incoming test. As previously stated, reported BIT failure was confirmed that guidance section S/N 077226 was found to be faulty. The maintenance sheet also provided more detailed test information which is as follows:

5210 - Missile Power Up  
Block 3  
5410 - ARA Tests  
9810 - Unit Under Test Power Down

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**PROBLEM NO: 14721**

**(Continued)**

These failed codes are indicative to a missile guidance section failure. As of 26 September 2000 guidance section remains in receipt at AOC Yorktown in condition code "F".

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL S/N		COMPLETE 01MAY99
	YORKTOWN/323000E	105150 RECEIPT		
	NAWC DET	MONITOR GUIDE 077226		COMPLETE 30NOV00
	YORKTOWN/323000E	STATUS		
	NAWC PT MUGU/313100E	FOLLOWUP MSL S/N		COMPLETE 02DEC99
		105150 AURT RESULTS		
	NAWC PT MUGU/313100E	FOLLOWUP ON GUIDE	13NOV01	OPEN
		077226 STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CURTIS WILBUR (DDG-54) MESSAGE	PROBLEM REPORT
	131119ZAUG98	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	180529ZAUG98	
	NAWC DET YORKTOWN/323000E STATUS	MSL IN RECEIPT AT YORKTOWN
	REPORT 01JUN99	
	NAWC DET YORKTOWN/323000E STATUS	MISSILE PROCESSING STATUS
	REPORT 02DEC99	
	NAWC PT MUGU/313100E AWARS 30NOV00	MISSILE TEST DATA/GUIDE
		STATUS

<b>ACTION :</b>	<b>USS BENFOLD (DDG-65) CODR</b>	<b>R21940-98-0001</b>	<b>14MAY98 OPEN</b>
	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM		<b>NALC</b>
	<b>S/N:</b> 300351		PE30
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469
	<b>NOMEN:</b> GUIDANCE SECTION, GM		
	<b>S/N:</b> 025108		

**DESCRIPTION:**

141941ZMAY98: USS Benfold (DDG-65) reported that on 25 March 1998 during a pre-offload maintenance operation HARPOON PE30, Thickwall Canister missile S/N 300351 failed missile pre-offload BIT with a "SKR NO-GO" fault indication. BIT was preformed in accordance with Maintenance Requirement Card 4821/400 R-11S (BIT procedures). Missile reflective test was preformed in accordance with technical manual SW261-C5-MMO-020 Rev 1, and no further test was required. Missile BIT failure was recorded into the missile logbook. Missile was off loaded at WSF Seal Beach CA on 26 March 1998. (Note, Deficiency report submitted in response to NAWC Pt. Mugu 040129ZMAY98)

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

**ACTION TAKEN:**

240129ZSEP98: NAWC Pt. Mugu provided a follow up on the request that a deficiency report be submitted in regards to failed missile S/N 300351. Requested NWS Seal Beach have missile shipped to AOC Yorktown at the earliest opportunity upon missile off load.

010229ZOCT98: NAWC Pt. Mugu acknowledged the receipt of a faxed copy of reported missile deficiency report submitted by USS Benfold (DDG-65). It was requested that WSF Seal Beach have missile S/N 300351 shipped to WSF Yorktown for further test and repairs.

30DEC98: A review of AWARS database in reference to HARPOON, PE30, missile S/N 300351 being in receipt at WSF Yorktown the following was provided: On 02 November 1998 a maintenance data system sheet was initiated in response to missile failing aboard ship. Canister S/N 095125 and booster S/N 075148 removed. No deficiencies noted. Missile Subsystem Test Set all-up-round test was performed and missile failed. Test results noted on the maintenance data sheet. Due to missile failing Missile Subsystem Test Set test guidance section S/N 025108 and sustainer section S/N 100039 were removed for section-level-test. On 09 November 1998 with replacement sections and the reinstallation of booster S/N 075148 and canister S/N 095125, missile was returned to ready-for-issue condition code "A" status. On 17 November 1998 sustainer section failed section-level-test parameters:

7830 - Sustainer Pyro Test

7850 - Sustainer Pre-Power Resistance Test

09APR99: NAWC Det Yorktown monthly status report confirmed guide caused fleet reported BIT failure.

07JUN00: NAWC Det Yorktown informed NAWC Pt Mugu that faulty guide S/N 025108 remains at AOC Yorktown in condition code "F", still awaiting to be shipped to depot as was stated in maintenance data sheet above. Testing of faulty guidance have been placed on hold pending receipt of maintenance funding. Therefore, deficiency report shall remain open.

30DEC00: As of 26 September 2000, AWARS SLITS data is still showing information that defective guidance section S/N 025108 remains in condition code "F". As of 14 December 2000, AWARS SLITS is showing faulty sustainer section S/N 100039 in condition code "F". Both sections are at AOC Yorktown in storage.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	PROVIDE RECEIPT DATE OF MSL 300351		COMPLETE 30DEC98
		NAWC DET YORKTOWN/323000E	MONITOR GUIDE 025108 STATUS		COMPLETE 30DEC00

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**PROBLEM NO: 14721**

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<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	FOLLOWUP S/S 100039		CANCELED 30DEC99
			DEPOT TEST STATUS		
		NAWC PT MUGU/313100E	VERIFY CORRECT		COMPLETE 30DEC99
			GUIDANCE S/N		
		NAWC PT MUGU/313100E	FOLLOWUP ON	13NOV01	OPEN
			GUIDE/SUST STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		NAWC PT MUGU/313100E MESSAGE	CODR SUBMITTAL REQUEST
		040129ZMAY98	
		USS BENFOLD (DDG-65) MESSAGE	PROBLEM REPORT
		141941ZMAY98	
		NAWC PT MUGU/313100E MESSAGE	FOLLOW UP FOR CODR SUBMITTAL
		240129ZSEP98	REQUEST
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		010229ZOCT98	
		NAWC PT MUGU/313100E AWARS 30DEC98	MSL AURT & SLT DATA
		NAWC DET YORKTOWN/323000E E-MAIL	G/S 097078 CAUSED BIT FAILURE
		REPORT 09APR99	
		NAWC DET YORKTOWN/323000E E-MAIL	GUIDE 025108 STATUS
		REPORT 07JUN00	
		NAWC PT MUGU/313100E AWARS 30DEC00	GUIDE/SUST STATUS

<b>ACTION</b>	<b>:</b>	<b>USS NICHOLSON</b>	<b>CODR</b>	<b>R20614-97-0001</b>	<b>08APR98 OPEN</b>
		<b>(DD-982)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1571			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 097029			

**DESCRIPTION:**

081610ZAPR98: USS Nicholson (DD-982) stated that on 08 August 1997 during missile off-load preparation the following RGM-84D-5, PE30 HARPOON canister missile deficiencies were discovered: Missile S/N L1571 failed "SKR NO-GO" while performing test in accordance with Maintenance Requirement Card 4821 R-11S. BIT performed two additional times with the same results. Missile S/N 300559 while cable was being disconnected from canister, the connector alignment key sheared allowing the connector to rotate. This caused the canister interface pins to break off. (Note, NAWC Pt. Mugu 090329ZAPR97 requested USS Nicholson to submit subject deficiency report.)

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721****(Continued)****ACTION TAKEN:**

200029ZAPR98: NAWC Pt. Mugu acknowledged receipt of reported ordnance deficiency report. Thickwall canister missile S/N L1571 is currently at NWS Yorktown.

01MAY98: NAWC Det Yorktown status report of 01 May 1998, advises that missile S/N L1571 failed all-up round test on 12 January 1998. Missile Guidance section S/N 097029 found to be faulty.

30NOV98: Upon reviewing AWARS database maintenance data system sheet regarding missile S/N L1571 test stated in 01 May 1998 entry above, the following Missile Subsystem Test Set test information was provided: On 08 January 1998 missile visual inspection conducted. Log book annotated that missile had failed BIT aboard ship. Canister S/N 085093 and booster S/N GQN-0808 were removed from missile on 12 January 1998. All-up-round test was performed and missile failed the following parameters:

- 5210 - Missile Power-Up
- 5320 - Transmitter Characteristics
- 5335 - RCVR SENS, STC. Search Pattern and False Alarm
- 5340 - Direction Finding
- 5360 - Mode 1
- 5370 - RF Attenuation and Mission Profiles
- 9810 - Unit-Under-Test Power-Down

Failed parameters indicated guidance section S/N 097029 to be faulty. On 13 January 1998 guide was replaced with guidance section S/N 055265. On retest missile passed Missile Subsystem Test Set tests with failures noted. Faulty guidance section to be shipped to depot for test and repair. Missile was returned to ready-for-issue status on 20 January 1998.

270129ZJUL99: NAWC Pt. Mugu informed USS Nicholson (DD-982) that during all-up-round test of missile S/N L1517 the guide was found to be faulty. Missile test confirmed the reported failure. Guidance section S/N 097029 was removed and awaiting section-level-test.

07JUN00: NAWC Det Yorktown E-mail report of 07 June 2000, advises that removed guidance section S/N 097029 remains at AOC Yorktown in condition code "F". Section awaiting shipment to depot.

30OCT00: NAWC Pt. Mugu has been provided with AOC Yorktown's Boeing Representative Activity report for January 1998. The report provides more detailed information regarding the all-up-round-test of missile S/N L1571. As was stated above, test was preformed in January 1998. The below information provides test module numbers along with measurements and PCodes the missile failed. Which identified guidance section S/N 097029 is the cause of failure:

5210 - Missile Power Up

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**PROBLEM NO: 14721**

**(Continued)**

- 17 - Seeker BIT (Radiate) - PCode 2017
- 24 - Seeker BIT (Non-radiate) - PCode 2024
- 5320 - Transmitter Characteristics
  - 06 - Transmitter Power Discrete - PCode 3064.1
  - 09 - See Volume II - PCode 3080
  - 10 - See Volume II - PCode 3068
- 5335 - Receiver Sensitivity, STC, Search Pattern & False Alarm
  - 10 - Condition Sum Video (60K) - PCode 3106.1
  - 12 - STC Attenuation (19K) - PCode 3159
  - 13 - STC Attenuation (7K) - PCode 3160
  - 14 - STC Attenuation (3K) - PCode 3161
  - 15 - STC Attenuation (1.1K) - PCode 3162
  - 16 - STC Slope - PCode 3163
  - 17 - Reference Power - PCode 3165.1
  - 21 - See Volume II - PCode 3171.1
  - 22 - STA Attenuation - PCode 3172.1
  - 23 - SEA Clutter Desensitization - PCode 3107
- 5340 - Direction Finding
  - 05 - 1 Deg Avg AZ Slope - PCode 3184
  - 06 - 1 Deg Avg EL Slope - PCode 3185
  - 08 - 1 Deg Avg AZ Slope - PCode 3187
  - 09 - 1 Deg Avg EL Slope - PCode 3188
  - 16 - 1 Deg Avg AZ Slope - PCode 3195
  - 17 - 1 Deg Avg EL Slope - PCode 3196
- 5360 - Mode 1
  - 01 - Mode 1 - PCode 3302
  - 08 - SSAJ - PCode 3518 (Note, for 3700-1/earlier seekers, this measurement is SSAJP with PCode - 3320)
  - 18 - Mode 1 Discrete - PCode 3513 (Note, measurements are not taken for pre-FY78 missiles - seekers 2500/3400)
  - 19 - Average AZ Gimbal - PCode 3521 (note, see note under measurement 18 above)
  - 20 - Average EL Gimbal - PCode 3522
- 5370 - RF Attenuation & Mission Profiles
  - 06 - RF Attenuation Status - PCode 3335
  - 15 - MCV #3 - PCode 3375
  - 16 - Range - PCode 3379
- 9810 - Unit Under Test Power Down
  - 06 - Seeker (Radiate) BIT - PCode 11014

02JAN01: SLITS database advises that defective guide S/N 097029 still at AOC Yorktown in condition code "F". No details provided.

09APR01: SLITS database still showing defective guide S/N 097029 at AOC Yorktown in condition code "F". No details available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR GUIDE 097029	COMPLETE 09APR01
		YORKTOWN/323000E	STATUS	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC PT MUGU/313100E	MONITOR MSL L1571 AURT RESULTS		COMPLETE 06NOV98
	NAWC PT MUGU/313100E	MONITOR G/S S/N 097029 TEST RESULTS		COMPLETE 30NOV98
	NAWC PT MUGU/313100E	FOLLOWUP G/S 097029 DEPOT TEST STATUS		COMPLETE 07JUN00
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 097029 STATUS	13NOV01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE 090329ZAPR97	CODR REQUEST
	USS NICHOLSON (DD-982) MESSAGE 081610ZAPR98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 200029ZAPR98	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS RPT 01MAY98	MSL TEST DATA PROVIDED
	NAWC PT MUGU/313100E AWARS DATA 30NOV98	FAILED TEST PARAMETERS PROVIDED
	NAWC PT MUGU/313100E MESSAGE 270129ZJUL99	MSTS CONFIRMED MSL BIT
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	FAULTY GUIDE STATUS
	NAWC PT MUGU/313100E COMMENTS 30OCT00	JAN98 CETS TEST DATA
	NAWC PT MUGU/313100E SLITS DATABASE 02JAN01	FAULTY GUIDE STATUS
	NAWC PT MUGU/313100E SLITS DATABASE 09APR01	FAULTY GUIDE STATUS

**ACTION : USS SOUTH CAROLINA CODR V20669-98-0001 06FEB98 OPEN  
(CGN-37)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085144, 001982, L1409, L1424			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085144, 045272, 077070, 055137			

**DESCRIPTION:**

061835ZFEB98: USS South Carolina (CGN-37) reported the following missile BIT information: RGM-84D-5 Thickwall Canister missiles failed the following BITs: Cell one - Missile S/N 085144 instantaneously BIT, Cell two - Missile S/N 001982 instantaneously BIT, Cell seven - Missile S/N L1409 failed after 18 seconds with



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"ALT NO-GO", Cell eight - Missile S/N L1424 instantaneously BIT. Cells were fully verified operational using the HARPOON Guided Missile Simulator test unit. FTSCLANT provided assistance via telephone.

**ACTION TAKEN:**

120129ZFEB98: NAWC Pt. Mugu requested USS South Carolina to off loaded missiles at the earliest opportunity and marked for further transport to NWS Yorktown. NWS Yorktown to performed all-up round test on all four BIT failed missiles. Reverse process testing to be conducted on missile S/Ns 001982, 085144 and L1424.

06AUG98: NAWC Det Yorktown e-mail this date, informed NAWC Pt. Mugu that failed PE30 missiles from USS Carolina were off loaded on 04 August 1998. HARPOON missiles S/Ns 001982, 085144, L1409 and L1424 had failed pre-off load BIT. All four missiles were placed in condition code "J". Missiles currently awaiting induction.

05OCT98: NAWC Det Yorktown Status report of 05 October 1998, advises that missile S/N 085144 fleet problem could not be found. Missile was returned to condition code "A".

01NOV98: NAWC Det Yorktown status report of 01 November 1998, the following Missile Subsystem Test Set All-up Round test information was provided: Missile S/N 001982 failed All-up Round test on 01 October 1998. Test results indicated missile Guidance section (G/S) S/N 045272 was the defective unit. Fleet missile BIT failure was confirmed. Missile S/N L1424 failed Missile Subsystem Test Set All-up Round test on 01 October 1998. Test results concluded missile G/S S/N 055137 was the defective unit. Fleet BIT failure could-not be confirmed. Missile S/N L1409 failed All-up Round test on 12 October 1998. Test results concluded missile G/S S/N 077070 was the defective unit.

20DEC98: AWARS database maintenance data system sheet for missile S/N 001982 was initiated on 22 October 1998, and the following action statements were entered: In coming test was performed on 22 October 1998. The log book stated that the missile had failed BIT aboard ship. On 27 October 1998, missile failed all-up-round test parameters 5210m-15; 5310m-27; 5320; 5512 and 9810m-4. Failure codes identify Guidance section S/N 045272 as the faulty unit which require removal and replacement. With a replacement guide installed missile passed retest on 28 October 1998. Defective guidance was to have been shipped to depot for further test and repairs.

03JAN99: HARPOON AWARS maintenance data system sheet for fleet returned failed missile S/N L1424 was initiated on 22 October 1998. The following are maintenance events incorporated upon it being

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inducted after it was received at AOC Yorktown from USS South Carolina: Incoming visual was conducted on 22 October 1998. Missile also suspected of having a fuel leak. On 27 October sustainer section S/N 070296 was removed due to fuel leakage. Unit hold for defueling. Next on 28 October missile failed the following test parameters:

- 5320 - Transmitter Characteristics
- 01 - Seeker AFC Lock-on - PCode 3060
- 02 - Lock-on - PCode 3081
- 04 - (see volume II) - PCode 3062
- 06 - Transmitter Power Discrete -PCode 3064
- 09 - (see volume II) - PCode 3080
- 10 - (see volume II) - PCode 3068
- 11 - (see volume II) - PCode 3069

07JUN00: MAWC Det Yorktown section inventory status report of 7 June 2000, informed NAWC Pt. Mugu that defective guidance sections, S/Ns 045272, 077070, and 055137 remains at Yorktown in condition code "F". Maintenance status is to be determined at a later date.

30OCT00: NAWC Pt. Mugu follow up review of AWARS maintenance data sheet in reference to guidance section S/N 055137 section level test, concluded that on 29 October 1998, the guidance unit failed test parameter 9701, a continuity fault.

09MAR01: NAWC Pt. Mugu SLITS data identify faulty guidance sections, S/Ns 045272, 077070 and 055137 to be at AOC Yorktown and still in condition code "F". Also, sustainer section S/N 070296 (leaking fuel) remains at AOC Yorktown in condition code "F". No details available on any of the four items.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSLS RECEIPT		COMPLETE 10AUG98
		YORKTOWN/323000E	DATE		
		NAWC DET	MONITOR MSLS AUR TESTS		COMPLETE 05OCT98
		YORKTOWN/323000E			
		NAWC PT MUGU/313100E	FOLLOWUP ON L1424		CANCELED 30DEC99
			FUEL LEAK		
		NAWC PT MUGU/313100E	FOLLOWUP S/S 070296		CANCELED 30DEC99
		NAWC PT MUGU/313100E	MONITOR GUIDANCE		COMPLETE 09MAR01
			REPAIRS STATUS		
		NAWC PT MUGU/313100E	PROVIDE SUST 070296		COMPLETE 09MAR01
		MAINT STATUS			
	NAWC PT MUGU/313100E	MONITOR STATUS OF	13NOV01	OPEN	
		FOUR SECTIONS			

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS SOUTH CAROLINA (CGN-37) MESSAGE 061835ZFEB98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 120129ZFEB98	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 06AUG98	FOUR PE30 MSLs OFFLOADED
	NAWC DET YORKTOWN/323000E STATUS RPT 05OCT98	MSL PROBLEM NOT FOUND/MSL TO CC-A
	NAWC DET YORKTOWN/323000E STATUS RPT 01NOV98	MSL TESTS DATA
	NAWC PT MUGU/313100E AWARS DATA 20DEC98	MISSILE 001982 AURT RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 03JAN99	MISSILE L1424 AURT RESULTS
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	GUIDE MAINTENANCE STATUS
	NAWC PT MUGU/313100E AWARS DATABASE 30OCT00	SECTION LEVEL TEST FOLLOWUP
	NAWC PT MUGU/313100E SLITS DATA 09MAR01	REMOVED SECTION STATUS

**ACTION : USS BARRY (DDG-52) CODR V21660-97-0003 17OCT97 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300032			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 107053			

**DESCRIPTION:**

171515ZOCT97: USS Barry (DDG-52) reported that after on load, RGM-84D-5, PE30 HARPOON missile S/N 300032 failed BIT on 15 October 1997, while performing test in accordance with Maintenance Requirement Card 4821/400 R-11S. Missile last passed BIT on 12 August 1997 at NAWC Det Yorktown. Cables were properly secured and Harpoon Guided Missile Simulator checked with a "GO" indication.

**ACTION TAKEN:**

270029ZOCT97: NAWC Pt. Mugu forwarded missile disposition instructions for missile S/N 300032 to be off loaded at earliest opportunity for further shipment to NWS Yorktown.

06JAN98: NWS Yorktown informed NAWC Pt. Mugu that missile S/N 300032 was received at NWS Yorktown on 17 November 1997 and is currently awaiting All-up Round test.

28DEC98: AWARS data provided the following Missile Subsystem Test

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Set All-up-Round test results: On 12 December 1998 missile S/N 300032 failed the following test modules:  
5210 - Missile Power-Up  
9810 - Unit-Under-Test Power-Down  
Guidance section S/N 107053 removed. With replacement G/S S/N 077145 installed missile S/N 300032 returned to ready-for-issue status on 13 December 1998.

30DEC99: In reviewing the above AWARS data, the dates presented are in error. The mentioned all-up-round test was conducted on 12 January 1998 and not 12 December. Missile was returned to ready-for-issue status on 15 January 1998 and not 13 December. However, all other data remains the same.

07JUN00: Follow up on faulty guidance section S/N 107053 with NAWC Det Yorktown, it has been established that defective guidance unit remains at AOC Yorktown in condition code "F".

30OCT00: Upon reviewing NWS Yorktown Boeing Representative's activity report of January 1998, a more detailed report of the all up round test of missile S/N 300032 is provided. Test was conducted in January 1998. Details of test are as follows:

5210 - Missile Power-Up  
- 05 - MGU Configuration Identification - PCode 2070  
9810 - Unit-Under-Test Power-Down  
- 03 - ARA BIT - PCode 11011  
- 04 - Altimeter BIT - PCode 11012  
- 05 - DCA BIT - PCode 11013  
- 06 - Seeker (Radiate) BIT - PCode 11014  
- 07 - Gyros Up-to-Speed BIT - PCode 11015

Note, failure codes present above are indicative of failed guidance section S/N 107053. As of 25 September 2000, faulty guide remains in receipt at AOC Yorktown and still in condition code "F".

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	MONITOR G/S 107053 DOP SHIPMENT		CANCELED 30OCT00
		NAWC PT MUGU/313100E	MONITOR MSL S/N 300032 RECEIPT DATE		COMPLETE 06JAN98
		NAWC PT MUGU/313100E	MONITOR MSL 300032 AURT		COMPLETE 30DEC98
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S 107053 STATUS		COMPLETE 07JUN00
		NAWC PT MUGU/313100E	FOLLOW-UP ON G/S 107053 STATUS		COMPLETE 15AUG01
		NAWC PT MUGU/313100E	PROVIDE GUIDE 107053 STATUS	13NOV01	OPEN

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS BARRY (DDG-52) MESSAGE 171515Z OCT97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 270029Z OCT97	INTERIM RESPONSE
	NAWC PT MUGU/313100E NWS E-MAIL REPORT 06JAN98	MSL S/N 300032 IN RECEIPT
	BOEING ST LOUIS CETS REPORT 09APR98	MSL ALL-UP-ROUND TEST DATA
	NAWC PT MUGU/313100E AWARS DATA 28DEC98	MSL S/N 300032 AURT DATA
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC99	MSL RFI DATE CORRECTION
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	G/S S/N 107053 STILL AT YORKTOWN
	NAWC PT MUGU/313100E COMMENTS 30OCT00	REVIEW OF JAN98 CETS REPORT

**ACTION : USS FIFE (DD-991) CODR R20838-97-0002 09APR97 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300660			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300660			

**DESCRIPTION:**

090943Z APR97: USS Fife reported that RGM-84D-5, PE30, HARPOON Thickwall Canister missile, S/N 300660 failed BIT while in cell one. BIT was being performed in accordance with Maintenance Requirement Card 4821 R-11S. On the Weapons Control Indicator Panel console, "SKR NO-GO" fault code was displayed. The BIT results were the same. The Harpoon Guided Missile Simulator test results were satisfactory. Upon reconnecting cables to the missile, missile failed other BITs with same results.

**ACTION TAKEN:**

080029Z MAY97: NAWC Pt. Mugu informed the ship to continue to perform BIT until missile S/N 300660 can be off loaded, report and annotate results in missile logbook with same. Once missile is received at Yorktown, further tests will be performed.

25JUN97: AWARS SLITS database show missile not in receipt at WSF Yorktown, but remains in condition code "E".

30JUN98: AWARS still show missile not in receipt at WSF Yorktown, but remains in condition code "E".

30JUN99: AWARS SLITS database conclude AOC Yorktown took receipt of missile S/N 300660 on 17 November 1998. Missile still in condition

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code "E" and it was not inducted for test and repairs.

30NOV99: AWARS data show missile S/N 300660 being inducted at "I" level maintenance at AOC Yorktown on 04 October 1999. Data sheet also was initiated. Missile incoming visual inspection was conducted. First entry on data sheet identified this asset as a surveillance missile. Visual inspection revealed canister S/N 095136 with a bad pad. Canister was removed for repairs. On 06 October 1999, missile incoming test was performed. According to narrative section of the data sheet it shows missile failed the following test modules:

5210 - Missile Power-Up

Block No.3

9810 - Unit Under Test Power-Down

Failure codes are indicative of a faulty guidance section. A narrative entry also stated that the all-up-round test did confirm BIT failure. Therefore, guidance section S/N 065215 was removed and replaced with guide S/N GQN-0548. On 7 October 1999, missile failed test module number 5345 on retest. On 12 October, another retest was performed, missile passed with no failures noted. With unit passing two additional continuity tests, on 21 October 1999, missile was returned to ready-for-issue status.

22MAY00: In accordance with the CAIMS/SLITS database as of 22 May 2000, the data show defective guidance section S/N 065215 to be at AOC Yorktown. Guide remains in condition code "F". No details provided.

30OCT00: In accordance with data from SLITS database as of 26 September 2000, defective guidance section S/N 065215 remains in receipt at AOC Yorktown and still in condition code "F". No details available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL 300660		COMPLETE 30JUN99
		YORKTOWN/323000E	RECEIPT TEST RESULTS		
		NAWC DET	MONITOR G/S 065215		COMPLETE 30OCT00
		YORKTOWN/323000E	DISPOSITION STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP MSL 300660		COMPLETE 30NOV99
			TEST RESULTS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS FIFE (DD-991) MESSAGE 090943ZAPR97	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 080029ZMAY97	INTERIM RESPONSE
		NAWC PT MUGU/313100E AWARS SLITS DATA 25JUN97	MSL ENROUTE TO WPNSTA
		NAWC PT MUGU/313100E AWARS SLITS DATA 30JUN98	MSL ENROUTE TO WPNSTA

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E AWARS SLITS DATA 30JUN99	MSL IN RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE 30NOV99	MSL AURT RESULTS
	NAWC PT MUGU/313100E AWARS DATA 22MAY00	STATUS OF GUIDANCE SECTION
	NAWC PT MUGU/313100E AWARS SLITS 30OCT00	GUIDE LATEST STATUS

**ACTION : USS BARRY (DDG-52) CODR V21660-96-0003 22OCT96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-26	1410	01-264-5473	PE29
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065471, 001650			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 065043, 097242			

**DESCRIPTION:**

221745ZOCT96: USS Barry (DDG-52) reports, it was advised that two PE30, RGM-84D-5, HARPOON Thickwall Canister missiles, (S/Ns 001650 and 065471) failed BIT prior to being off loaded at NWS Yorktown on 27 August 1996. BIT was performed in accordance Maintenance Requirement Card 4821/400 R-11S. Inspection of missile and launcher cables revealed no signs of corrosion. All cables were properly secured with no loose or missing cold wrap. Missile were reclassified as condition code "J". Missile were off loaded and issued to NWS Yorktown. There was no extremely harsh environmental conditions existed during deployment. (Notes, Missile deficiency report submitted at the request of NAWC Pt. Mugu message 090529ZOCT96.)

**ACTION TAKEN:**

210729ZOCT96: NAWC Pt Mugu submitted a follow up request for deficiency report submittal to USS Barry.

220329ZOCT96: NAWC Pt. Mugu acknowledges receipt of USS Barry's deficiency report.

06JUN97: NAWC Det Yorktown E-mail report informed NAWC Pt. Mugu that missile S/N 065471 was received on station on 03 November 1996 and was inducted into production on 11 March 1997. Missile Subsystem Test Set all-up-round test results determined guidance section 065043 faulty. Faulty section was shipped to depot on 26 June 1997, under document number 00109-7063-8042. Missile S/N 001650 was tested and guidance section 097242 was found to be defective.

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01JUL97: CAIMS database concluded that missile S/N 001650 was issued to NWS Yorktown under document number V21660-6240-8001 in condition code "E" on 26 August 1996. Missile previously off loaded from USS Nicholson (DD-982) on 24 October 1995 at NWS Charleston SC under document number V20614-5145-8054 in condition code "A". NWS Charleston issued the missile to USS Barry on 01 November 1995, and USS Barry took receipt on 05 November 1995 in condition code "A".

15DEC97: NAWC Det Yorktown E-mail report confirmed that failed guidance section S/N 097242 was removed from all-up round S/N 001650 and was used to buildup missile (085090) of failed sections. That is all sections except for the missile warhead. The missile with the failed sections will shipped to the depot.

060829ZJAN98: NAWC Pt. Mugu provided USS Barry with an interim report of NWS Yorktown's test results.

30DEC98: Upon reviewing AWARS maintenance data system sheet in reference to all-up-round test of missile S/N 065471 as stated above. The following maintenance actions were provided on 27 February 1997, incoming visual inspection was conducted. Missile log book was annotated stating that missile had failed BIT aboard ship. Missile failed Missile Subsystem Test Set incoming all-up-round test with the following results:

5210 - Missile Power-Up

Block No. 3

9810 - Unit Under Test Power-Down

On 03 March 1997, missile guidance section S/N 065043 was found to be defective, therefore, was removed. On 11 March 1997, buildup of missile S/N 065471 was completed and was returned to ready-for-issue condition code "A".

15JAN99: Upon reviewing HARPOON AWARS maintenance data system sheet for missile S/N 001650, the following maintenance actions were provided. On 20 March 1997, incoming visual inspection revealed missile had failed BIT aboard ship. On 25 March 1997, missile failed the following all-up-round test parameter: 5210 (missile Power-Up/Abort). Missile guidance section S/N 097242 removed due to all-up-round test results. Guide held for section level test. Guidance section S/N 025099 was installed. On 02 April 1997, on retest of S/N 001650, missile failed again. Guidance section S/N 025099 was removed. The failure of this guide was not associated with the reported BIT failure. Another guidance section installed. On 03 April 1997, missile passed the retest. On 07 April 1997, missile S/N 001650 was returned to condition code "A" and placed in ready-for-issue storage. On 09 March 1997, guidance section S/N 097242 failed the following section level test results:

6700 - Guidance section Power-Up Test/abort



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9810 - Unit Under Test Power-Down  
- 06 - Seeker (Radiate) BIT - P Code 11014

24JUL01: The Boeing Company faxed NAWC Pt. Mugu maintenance data stating that on 25 March 1997, defective guidance section S/N 097242 was tested and found seeker unit S/N 045053 to be defective. Seeker was the primary cause of fleet failure. No maintenance data provided regarding defective seeker. In reference to defective guidance section S/N 065043, it was repaired at depot under Rework/Repair Order No. N73704XG. Test found seeker unit S/N 045211 defective, and primary cause of fleet BIT failure. No repairs to seeker performed, unit was placed in storage. Guide S/N 065043 was returned to condition code "A" status on 12 May 1999.

<b>ACTION : SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	DCMC BOEING ST LOUIS/RDOBA	MONITOR G/S 065043 DOP RECEIPT	COMPLETE 28SEP00
	DCMC BOEING ST LOUIS/RDOBA	MONITOR G/S 097242 DOP RECEIPT	COMPLETE 30OCT00
	NAWC DET YORKTOWN/323000E	SUBMIT MSL S/N 001650 TEST REPORT	COMPLETE 06JUN97
	NAWC DET YORKTOWN/323000E	SUBMIT MSL S/N 065471 TEST REPORT	COMPLETE 01JUL97
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 065043 REPAIRS	COMPLETE 24JUL01
	NAWC PT MUGU/313100E	FOLLOWUP ON G/S 097242 STATUS	COMPLETE 24JUL01
	NAWC PT MUGU/313100E	MONITOR SEEKERS STATUS	22JAN02 OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE 090529ZOCT96	CODR REQUEST
	NAWC PT MUGU/313100E MESSAGE 210729ZOCT96	FOLLOW UP REQUEST
	USS BARRY (DDG-52) MESSAGE 221745ZOCT96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 230329ZOCT96	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E E-MAIL 06JUN97	WEAPONS STATION TEST DATA
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 01JUL97	NWS G/S FOLLOWUP DATA
	NAWC DET YORKTOWN/323000E E-MAIL 15DEC97	DEFECTIVE G/S SHIPPED TO DEPOT
	NAWC PT MUGU/313100E MESSAGE 060829ZJAN98	INTERIM REPORT TO USS BARY
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC98	MSL MDS SHEET RESULTS

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**REFERENCES : IDENTIFICATION**

NAWC PT MUGU/313100E AWARS DATABASE  
15JAN99  
BOEING ST LOUIS FAXED REPORT 24JUL01

**REFERENCE BRIEF**

MSL MDS SHEET TEST RESULTS  
REPAIR DATA

**ACTION : USS LABOON (DDG-58) CODR V21820-96-0003 01JUL96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300353			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 300353			

**DESCRIPTION:**

012230ZJUL96: USS Laboon (DDG-58) reported that during normal operations, the Weapons Control Indicator Panel identified three of eight HARPOON missiles (Cell one, two, and eight) as RTM-84D vice RGM-84D. To correctly identify the missiles, the weapons technicians performed Preventive Maintenance per Maintenance Requirement Card 4821/400-34, R-11S (MSL BIT & Configuration Identification). Upon completing the Preventive Maintenance check, seven of eight missiles displayed a "GO" indication, but for Cell seven there was a "SKR NO-GO" indication. Further test using the Mk 78 HARPOON Guided Missile Simulator, per Maintenance Requirement Card, indicated the HARPOON Weapons System to be satisfactory. Subsequent tests at Cell seven still resulted in "NO-GO" indications. According to the missile's logbook, missile was last tested at NWS Yorktown on 19 April 1994. Control/ignition cable connections were clean and weatherproofing was effective. The last time check was performed in accordance with Maintenance Requirement Card R-11S on this missile was on 03 May 1996.

**ACTION TAKEN:**

020629ZJUL96: NAWC Pt. Mugu provided USS Laboon with missile S/N 300353 disposition instructions, requesting missile be off loaded and shipped to NWS Yorktown at the earliest opportunity.

01NOV96: NAWC Det Yorktown HARPOON monthly status report stated that NWS Yorktown took receipt of missile S/N 300353 on 10 July 1996.

06JUN97: NAWC Det Yorktown monthly status report advises that missile guidance section S/N 045058 failed during All-up Round test. No test data provided.

30JAN98: Review of AWARS maintenance data system sheet regarding the all-up-round test of missile S/N 300353 and faulty guidance section

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**HARPOON ACTIVE  
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**PROBLEM NO: 14721**

**(Continued)**

S/N 045058, conclusion are as follows: Incoming visual test was conducted on 05 March 1997. Log book records show missile failed BIT aboard ship. On 10 March 1997, missile failed all-up-round Missile Subsystem Test Set incoming test parameter block three. Test results concluded guidance section S/N 045058 to be faulty. Faulty guide was removed and replaced with guide S/N 097227. On 11 March 1997 all-up-round missile body passed the Missile Subsystem Test Set retest. Buildup of missile was concluded and PE30, RGM-84D-5, S/N 300353 was returned to condition code "A" , ready-for-issue status. Guidance section-level-test was conducted on 17 March 1997. The following are the results of that test:

6700 - Guidance Section Power-Up Test  
6810 - Seeker Status and Boresight  
6820 - Transmitter Characteristics  
9810 - Unit Under Test Power-Down

In referring to missile failing the above test, it can be concluded that reported BIT failure can not be confirmed. The Missile Subsystem Test Set test could-not-duplicate the BIT failure.

29SEP00: NAWC Pt. Mugu is conducting follow up action on the status of faulty guidance section S/N 045058. Deficiency report to remain open pending further test and repair of faulty guidance section S/N 097227.

30OCT00: The above 29 September 2000 statement, should have stated that this deficiency report was to remain open pending receipt of test and repair data regarding defective guidance section S/N 045058. The guidance section mentioned was used to return missile S/N 300353 to ready for issue status back on 11 March 1997.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	FOLLOWUP G/S 300353		CANCELED 18AUG00
			DOP TEST RESULTS		
		NAWC PT MUGU/313100E	FOLLOWUP MSL 300353		COMPLETE 30JAN98
			AURT RESULTS		
		NAWC PT MUGU/313100E	CONDUCT G/S 045058		COMPLETE 30OCT00
			STATUS FOLLOWUP		
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S	11NOV01	OPEN
			045058 STATUS		
		NWS YORKTOWN/305	CONDUCT MSL S/N		COMPLETE 06JUN97
			300353 INSP/AURT		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS LABOON (DDG-58) MESSAGE	PROBLEM REPORT
		012230ZJUL96	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		020629ZJUL96	
		NAWC DET YORKTOWN/323000E MEMO REPORT	MSL RECEIVED
		01NOV96	

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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E E-MAIL 06JUN97	GUIDE FAILED AURT
	NAWC PT MUGU/313100E AWARS DATABASE INFO 30JAN98	AUR TEST RESULTS
	NAWC PT MUGU/313100E CLE COMMENT 29SEP00	GUIDE STATUS
	NAWC PT MUGU/313100E CLE COMMENT 30OCT00	STATEMENT CORRECTION

**ACTION : USS MITSCHER                      CODR           V21687-96-0001           01JUL96 OPEN  
(DDG-57)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 065382			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> GQN-1076			

**DESCRIPTION:**

011435ZJUL96: USS Mitscher reported that while moored at NS Norfolk, pier 25, aft missile deck HARPOON missile S/N 065382 failed BIT during routine maintenance check in accordance with Maintenance Requirement Card 4821/200 R-11S. Missile BIT results indicated a "SKR NO-GO" fault. Missile was off loaded and replaced on 27 June 1996 by ship's force, NS Norfolk, and NWS Yorktown personnel.

**ACTION TAKEN:**

240229ZJUL96: NAWC Pt. Mugu has reviewed fleet reported missile deficiency regarding HARPOON canister missile S/N 065382. Missile disposition instructions were provided. Ship is to have missile shipped to NWS Yorktown. It was requested that upon receipt, an incoming visual inspection/all-up round test be performed to confirm or not-to-confirm fleet BIT failure. Test results are to be given to NAWC Det Yorktown for submittal to NAWC Pt. Mugu.

29AUG96: NAWC Det Yorktown (Code 321200E) informed Pt. Mugu that missile S/N 065382 was received on station 01 July 1996. No details available regarding induction.

31OCT96: MDA St. Louis NWS Yorktown CETS report of 31 October 1996 indicated that fleet returned missile S/N 065382, P/N 1657AS0303-30, failed the, following all-up round test parameters:  
MTM: 5210 - Missile Power-up  
- 17 - Seeker BIT (Radiate) - PCode 2017  
- 24 - Seeker BIT (Non-radiate) - PCode 2024

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**PROBLEM NO: 14721**

**(Continued)**

MTM: 5410 - ARA Tests

- 23 - X Gyro Free Drift - PCode 4022

Test results indicate guidance section S/N GQN-1076 to be faulty and require section-level-testing. AWARS database maintenance data system sheet dated 08 October 1996 is in agreement with the above findings.

01JUL97: NAWC Det Yorktown status report of 01July 1997 is in agreement with missile All-up Round test results as provided in MDA's CETTS report of October 1997. Guidance section shipped to MDA depot facility in St. Louis MO on 26 June 1997 under document number 00109-7063-8042.

19JAN98: AWARS maintenance data system sheet dated 08 October 1996, concluded Missile Subsystem Test Set All-up Round incoming test was conducted on 9 October 1996. On 6 February 1997 defective guidance S/N GQN-1076 was replaced with S/N 107190. Missile failed the below listed all-up-round test parameters on retest:

5340 - Direction Finding

5360 - Mode 1

Results are indicative to guidance section S/N 107190 failing. It was replaced with dash seven guidance section S/N GQN-0614. Missile passed on Missile Subsystem Test Set retest. Missile was returned to condition code "A" on 13 February 1997.

29DEC99: AWARS data concluded guidance section S/N GQN-1076 still in condition code "F" at AOC Yorktown. No other information available. Deficiency report action to remain open pending maintenance induction and testing.

06JUN00: NAWC Pt. Mugu CAIMS/SLITS database as 22 May 2000, was showing defective guide S/N GQN-1076 still in receipt at AOC Yorktown in condition code "F". Deficiency report to remain open pending induction.

30OCT00: AWARS SLITS information advises that as of 5 September 2000, defective guidance section S/N GQN-1076 was in storage at Letterkenny Army depot in condition code "F". No other information available.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	MONITOR G/S GQN-1076		CANCELED 30OCT00
		YORKTOWN/323000E	MAINT INDUCTION		
		NAWC DET	PROVIDE MSL S/N		COMPLETE 29AUG96
		YORKTOWN/323000E	065382 RECEIPT DATE		
		NAWC DET	PROVIDE MSL S/N		COMPLETE 01JUL97
		YORKTOWN/323000E	065382 TEST RESULTS		
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S		COMPLETE 06JUN00
			GQN-1076 DOP STATUS		

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**PROBLEM NO: 14721**

**(Continued)**

**ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS**  
**SUMMARY** NAWC PT MUGU/313100E GUIDE S/N GQN-1076 11NOV01 OPEN  
DEEP STOW STATUS

**REFERENCES : IDENTIFICATION REFERENCE BRIEF**  
USS MITSCHER (DDG-57) MESSAGE PROBLEM REPORT  
011435ZJUL96  
NAWC PT MUGU/313100E MESSAGE INTERIM RESPONSE  
240229ZJUL96  
NAWC DET YORKTOWN/323000E FAXED REPORT MSL RECEIVED ON STATION  
29AUG96  
MDA-EAST CETS REPORT 31OCT96 MSL 065382 & G/S GQN-1076  
AURT RESULTS  
NAWC DET YORKTOWN/323000E STATUS RPT CONFIRMED AURT RESULTS  
01JUL97 PROVIDED CET RPT  
NAWC PT MUGU/313100E AWARS DATABASE MSL 065382 AURT RESULTS  
19JAN98 FOLLOWUP  
NAWC PT MUGU/313100E AWARS DATABASE GUIDANCE REPAIR STATUS  
29DEC99  
NAWC PT MUGU/313100E CAIMS/SLITS DATA REPAIR INDUCTION STATUS  
06JUN00  
NAWC PT MUGU/313100E AWARS CAIMS G/S IN LETTERKENNY STORAGE  
30OCT00

**ACTION : USS RUSSELL (DDG-59) CODR R21821-96-0001 07MAY96 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085247, 085247, 085247			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 087124, 040033, 090154			

**DESCRIPTION:**

072157ZMAY96: USS Russell (DDG-59) reported while performing a pre-deployment BIT using Maintenance Requirement Card 4821 R-11S, HARPOON RGM-84D-5 Canister missile S/N 085247 failed with a "SKR NO-GO" fault code indication. Missile failed BIT two out of three times. The faulty missile is to be off loaded at NAVMAG Lualualei on 17 May 1996.

**ACTION TAKEN:**

090029ZMAY96: NAWC Pt. Mugu concurs with the 17 May 1996 off-load date of the BIT failed missile. The following instructions were provided: NAVMAG Lualualei was requested to have the fleet returned missile shipped to NWS Yorktown. NWS Yorktown upon receipt of BIT failed missile, conduct the visual inspection and perform the

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**PROBLEM NO: 14721**

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all-up-round and Booster tests in order to confirm reported failure. Upon completion of the inspection and tests, provide the results to NAWC Det Yorktown. Det Yorktown on receipt of NWS Yorktown's inspection and tests results, a report is to be prepared and submitted to NAWC Pt. Mugu.

01NOV96: NAWC Pt. Mugu advises that as of 21 May 1996, missile S/N 085247 was still at NAVMAG IH.

160129ZJUN97: NAWC Pt. Mugu requested NAVMAG IH to provide the latest disposition status of missile S/N 085247. If missile has been shipped, provide all concerned with shipment data.

26SEP97: NAWC Det Yorktown informed NAWC Pt. Mugu that missile S/N 085247 was received at Yorktown on 19 September 1997. Missile currently awaiting induction.

05AUG98: AWARS maintenance data system sheet Job Order number 2J7Y402 for missile S/N 085247 was initiated on 29 January 1998. Booster S/N 040094 was removed on 02 February 1998. It required testing and compliance with AWB-239. With the CAPCAN kit removed Harpoon Missile Body was All-up Round tested on 03 February 1998. Harpoon Missile Body failed the following Missile Subsystem Test Set All-up Round test modules:

- 5160 - Missile Pre-power Resistance Test
- 27 - Engine Speed Sensor Resistance - PCode 1175
- 5320 -Transmitter Characteries
- 5330 - Static Range Accuracy and Range Search

Massive Blk No. 3

6020 - Control Actuator Test Part 2

- 25 - No. 2 Counter Clockwise Switch Transition - PCode 10331

Failure of these test modules are indicative to failed missile guidance, sustainer and control sections. Missile was disassembled and guidance section S/N 087124, sustainer section S/N 040033 and control section S/N 090154 unit being held over for section-level-test. Maintenance data sheet narrative for date 04 February 1998 the one warhead will require AWC-340 modification.

29DEC98: AWARS maintenance data sheets for failed sections are as follows: On 10 February 1998 sustainer section S/N 040033 failed the following test parameters:

- 7850 - Sustainer Prepower Resistance Test

- 7900 - Sustainer Power-UP

On 25 February 1998 control section S/N 090154 failed the following test parameters:

- 8710 - Boattail Actuator Tests - Part 1

Later on 24 March 1998 control section was retested and the unit passed.

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12JUL99: NAWC Det Yorktown informed NAWC Pt. Mugu that section level test on guidance S/N 087124 was performed. Guide still remains at Yorktown awaiting shipment to depot pending instructions to ship defective assets to Boeing.

07JUN00: NAWC Det Yorktown informed NAWC Pt. Mugu that faulty guidance section S/N 087124 remains at AOC Yorktown in condition code "F". No further information available. Follow-up in-work.

30DEC00: According to AWARS SLITS data, as of 26 September 2000 defective guidance section S/N 087124 still in receipt at AOC Yorktown. As of 14 December 2000, sustainer section S/N 040033 still in receipt at AOC Yorktown. Both sections still in condition code "F". No details provided.

13AUG01: Defective sections still at AOC Yorktown in condition code "F". As of this date they have not been inducted for test or repairs. Deficiency report to remain open pending the induction of these assets.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	MONITOR GUIDE 087124 STATUS		COMPLETE 30DEC00
		NAWC PT MUGU/313100E	FOLLOWUP ON G/S 087124 DOP SHIPPING STAT		CANCELED 30JUN00
		NAWC PT MUGU/313100E	MONOTOR NWS RECEIPT OF MSL S/N 085247		COMPLETE 26SEP97
		NAWC PT MUGU/313100E	MONITOR SECTIONS INDUCTION	11NOV01	OPEN
		NWS YORKTOWN/304	PROVIDEE MSL S/N 085247 AURT RESULTS		COMPLETE 05AUG98

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS RUSSELL (DDG-59) MESSAGE 072157ZMAY96	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 090029ZMAY96	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E MEMO REPORT 01NOV96	MSL LOCATED NAVMAG IH
	NAWC PT MUGU/313100E MESSAGE 160129ZJUN97	REQUESTED NAVMAG IH PROVIDE MSL STATUS
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	MSL IN-RECEIPT AT YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE 05AUG98	MSL FAILED AURT
	NAWC PT MUGU/313100E AWARS DATABASE 29DEC98	I LEVEL TEST INFO FOLLOWUP



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<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E E-MAIL 12JUL99	GUIDE AWAITING DOP SHIPPING INST
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 07JUN00	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS DATA 30DEC00	SECTIONS INDUCTION STATUS
	NAWC PT MUGU/313100E CLE COMMENTS 13AUG01	SECTIONS STATUS

**ACTION : USS O'BANNON CODR V20834-95-0001 18OCT95 OPEN  
(DD-987)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0911			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> L0911			

**DESCRIPTION:**

181805ZOCT95: Aboard USS O'Bannon (DD-987) and while conducting a semiannual BIT check using Maintenance Requirement Card 4821, 400-R11S, RGM-84D-5, PE30, HARPOON thickwall canister missile, S/N L0911 failed BIT three times with a "SKR NO-GO" failure displayed indications of a faulty seeker. FTSC/LANT Det Mayport technicians repeated the BIT test and received the same results. This missile is scheduled to be off loaded 23 October 1995 at NWS Charleston.

**ACTION TAKEN:**

190429ZOCT95: NAWC Pt. Mugu has reviewed the deficiency report and concurs with missile being off loaded at NWS Charleston on 23 October 1995. Missile to be shipped to Yorktown as soon as possible.

09APR96: NAWC Det Yorktown informed NAWC Pt. Mugu that NWS Yorktown was not in receipt of missile S/N L0911.

26SEP97: NAWC Det Yorktown informed NAWC Pt. Mugu that NWS Yorktown took receipt of missile S/N L0911 on 26 June 1997 in condition code "F". On 06 October 1997 the missile was being processed at NWS Yorktown at which time missile failed missile all-up-round test. All-up round test results identify guidance Section, S/N 025077 as cause of failure.

12FEB98: AWARS database maintenance data system sheet concluded missile S/N L0911 was not tested until 22 October 1997. At which time missile failed the following incoming all-up-round Missile Subsystem Test Set test parameters:

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5210 - Missile Power-Up  
5310 - Seeker Status and Boresight  
5320 - Transmitter Characteristics  
Note, narrative also states to hold control section for Section Level Test parameter 6020 (Control Actuator Test Part 2). On 21JAN98 missile was disassembled due water intrusion. Sections (except control) were to be shipped to DOP. On 02 February 1998 control section S/N 020197 failed the following section-level-test parameters:

8710 - Boattail Actuator Test Part 1  
- 07 - Fin No. 1 CW Coast Distance - PCode 17122  
- 09 - Fin No. 1 CCW Coast Distance - PCode 17124  
- 17 - Fin No. 2 CW Tach - PCode 17098  
- 18 - Fin No. 2 CCW Tach - PCode 17096  
8720 - Boattail Actuator Test Part 2  
- 01 - Fin No. 3 Position - PCode 17141  
- 06 - Fin No. 3 CW Start Time - PCode 17129  
- 08 - Fin No. 3 CCW Start Time - PCode 17131  
- 13 - Fin No. 3 Position - PCode 17145

Control section was to have been shipped to depot.

14JUL99: NAWC Det Yorktown informed NAWC Pt. Mugu that defective components stated above remains at AOC Yorktown. Depot shipment status unknown.

22MAY00: CAIMS/SLITS information show defective guidance section S/N 025077 still at AOC Yorktown in condition code "F". No available details. Deficiency report is remain open pending guidance maintenance induction and/or repairs.

30OCT00: AWARS data of 21 January 1998, shows missile S/N L0911 was disassembled. Guidance section S/N 025077, warhead section S/N L0911, sustainer section S/N 020213 and control section S/N 020197 were removed. All four of the sections were to have been sent to The Boeing Company for further tests and repairs.

09APR01: Reviewing AWARS SLITS data concluded that as of 09 April 2001, all four defective HARPOON sections still in condition code "F", in storage at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N L0911 RECEIPT DATE		COMPLETE 26SEP97
		NAWC DET YORKTOWN/323000E	PROVIDE MSL S/N L0911 INDUCTION STATUS		COMPLETE 12FEB98
		NAWC DET YORKTOWN/323000E	MONITOR GUIDE S/N 025077 INDUCTION		COMPLETE 30OCT00
		NAWC PT MUGU/313100E	MONITOR SECTIONS STATUS	08NOV01	OPEN

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<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR G/S 025077 SHIPMENT TO DOP	CANCELED 22MAY00

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS O'BANNON (DD-987) MESSAGE 181805ZOCT95	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 190429ZOCT95	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E "E" MAIL 09APR96	MSL L0911 NOT RECEIVED
	NAWC PT MUGU/313100E AWARS COMMENTS 26SEP97	MSL CC "F" AT YORKTOWN
	NAWC PT MUGU/313100E AWARS DATABASE 12FEB98	MSL S/N L0911 TEST RESULTS FOLLOWUP
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 14JUL99	DEFECTIVE COMPONENTS REMAINS AT YORKTOWN
	NAWC PT MUGU/313100E CAIMS/SLITS DATA 22MAY00	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS DATABASE SLITS 30OCT00	SERIAL NUMBERS OF REMOVED SECTIONS
	NAWC PT MUGU/313100E AWARS DATABASE 09APR01	SECTIONS STATUS

**ACTION : USS KIDD (DDG-993) CODR V21436-95-0001 26SEP95 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 085504			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 055020			

**DESCRIPTION:**

262309ZSEP95: Aboard USS Kidd and prior to missile offload, using pre-offload Maintenance Requirement Card R-11S instructions, HARPOON RGM-84D-5 Canister Missile S/N 085504 failed BIT. Test reading presented an "ARA" fault code. Control cables were exchanged with the lower cell and the weapon produced a second "ARA" fault code. The weapon was unloaded 17 September 1993 via Document Number V21436-3088-8217.

**ACTION TAKEN:**

280629ZSEP95: NAWC Pt. Mugu has reviewed the report and concurs with the intended off-load of missile 17 September 1995. The following instructions were forwarded: NEWS Charleston was requested that upon receipt of missile have it transfer to NWS Yorktown. NWS Yorktown

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**(Continued)**

upon receipt of missile S/N 085504, conduct All-up Round/Booster tests to confirm failure reported in deficiency. Provide inspection/test results to Det Yorktown. NAWC Det Yorktown upon receipt of NWS Yorktown's findings, it is requested that a report be prepared and submitted it to NAWC Pt. Mugu. Provide shipping data on failed section(s) returned to the depot for repair.

10JAN96: Upon reviewing CAIMS/SLITS database, it was concluded that USS Kidd had issued (7A) the missile to NWS Charleston via document number V21436-5214-8075, on 03 October 1995. Missile was still in condition code "A". HARPOON AWARS database confirms the missile's condition code, but the missile's location was not identified.

21FEB96: NAWC Det Yorktown informed NAWC Pt. Mugu that NWS Yorktown is not in receipt of missile S/N 085504.

05MAR96: NAWC Det Yorktown informed NAWC Pt. Mugu that NWS Yorktown still not in receipt of missile, but requested the assistance of NOC IMSD in having the missile shipped to NWS Yorktown for processing.

06JUN96: NAWC Det Yorktown informed NAWC Pt. Mugu that missile was received on station on 30 April 1996. On 29 May 1996, fleet reported BIT failure was confirmed. Missile Guidance Section S/N 055020 was found to be defective.

29AUG96: NAWC Det Yorktown informed Pt. Mugu that items were shipped to Letterkenny under Shipping Document Number N49935-618-5294 on 27 August 1996. No details provided.

30NOV00: NAWC Pt. Mugu has reviewed all the information regarding this deficiency report and concluded that with the defective asset being shipped to Letterkenny Army Depot, no further action required. This action closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE INSP/TEST		CANCELED 05JUN96
		YORKTOWN/323000E	RESULTS S/N 085504		
		NAWC DET	PROVIDE INSP/TEST		CANCELED 29AUG96
		YORKTOWN/323000E	REPORT S/N 085504		
		NWS CHARLESTON	PROVIDE SHIPDPING DATA		CANCELED 05JUN96

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS KIDD (DDG-993) MESSAGE 262309ZSEP95	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 280629ZSEP95	INTERIM RESPONSE
		NAWC PT MUGU/313100E CAIMS/SLITS 10JAN96	DDG-993 ISSUED MSL TO NWS CHARLESTON
		NAWC DET YORKTOWN/323000E E-MAIL MEMO 21FEB96	MSL S/N 085504 STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC DET YORKTOWN/323000E E-MAIL MEMO 05MAR96	NWS NOT IN RECEIPT OF MSL
	NAWC DET YORKTOWN/323000E E-MAIL MEMO 06JUN96	MSL BIT FAILURE CONFIRMED/ FAULTY G/S
	NAWC DET YORKTOWN/323000E FAXED REPORT 29AUG96	ITEMS SHIPPED TO LETTERKENNY
	NAWC PT MUGU/313100E COMMENT 30NOV00	CLOSURE

**ACTION : USS FIFE (DD-991) CODR R20838-95-0001 16APR95 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 001729			
<b>FAILED PART:</b>	1657AS0505-5	1420	01-269-6469	
	<b>NOMEN:</b> GUIDANCE SECTION, GM			
	<b>S/N:</b> 025103			

**DESCRIPTION:**

162350ZAPR95: USS Fife reported that while underway and during Preventive Maintenance check, HARPOON RGM-84D-5 Missile S/N 001729 failed BIT. Failure codes were not made available.

**ACTION TAKEN:**

250329ZAPR95: NAWC Pt. Mugu has reviewed the reported deficiency and requested USS Fife (DD-991) to off-load failed missile at the earliest convenience.

13JUN95: HARPOON missile CAIMS/SLITS database indicates that on 16 March 1995, the missile was received at COMFLTACT Yokosuka, JA, in Condition Code "F" via Document Number R20838-5074-8067.

05JAN96: CAIMS/SLITS database provides the following: On about 10 October 1995, Yokosuka issued Condition Code "F" missile S/N 001729 to USS Mt. Hood (AE-29) consigned for off-load at NWS Concord. On about 06 November 1995, under shipping document Number N61581-5262-X206, NWS Concord took receipt of missile from Mt. Hood for further shipment to Yorktown. Yorktown took receipt of missile on 14 November 1995. The Maintenance Due Date had expired.

30MAR96: NAWC Pt. Mugu upon reviewing the AWARS database the below listed information is provided: On 26 February 1996, during missile visual inspection, it was advised that the Maintenance Due Date had expired, and it required AWB-239. On 28 February 1996 during Missile Subsystem Test Set All-up Round test missile failed the following:  
5210 - Missile Power-up (MGU error-1)  
9810 - UUT Power-down

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

- 02 - MGU Communication Status
- 03 - ARA BIT
- 04 - Altimeter BIT
- 05 - DCA BIT
- 06 - SKR Power Supply Temperature
- 07 - GYROs Up-to-speed BIT

On 29 February 1996, Guidance Section, S/N 025103 was removed and replaced from the all-up round and hold over for section level test. With the rebuild up the all-up round passed on retest. The Section Level Test of 01 March 1996, G/S failed the following:

6700 - Guidance Section Power-up Test (MGU Failed abort).

Note: failed unit will be packaged and shipped to depot for further evaluation and repair. MDA-EAST February 1996 CETS report concurred with test results provided above.

30MAY96: CAIMS/SLITS database advises that on 04 March 1996, the missile was placed in Condition Code "A" by Yorktown. On 26 March 1996, shipping document number R20602-6043-8040 was cut and missile was issued to USS Merrill (DD-976). Merrill took receipt on 03 April 1996 with a 299 (February 1999) Maintenance Due Date assigned.

26MAR97: HARPOON AWARS depot level maintenance information show guide S/N 025103 arrived at depot on 26 February 1997. Faulty guidance unit was inducted on 28 February 1997 and a final acceptance date of 26 March 1997. No intelligible data available.

30NOV99: In review of AWARS database, a maintenance data system data sheet had been initiated on 26 April 1999, showing guide S/N 025103 being at AOC Yorktown, in condition code "A", and being used to buildup RGM-84D-4, PE25, missile S/N 300343.

30DEC00: Review of depot AWARS data advised that failed guidance section S/N 025103 had been at depot repair during the time of 26 February through 26 March 1997. Test data stated that midcourse guidance unit is faulty. Unit was repaired under R/RO No. N72211XGM. The repair order stated that the attitude reference assembly S/N 041197 is also faulty and was the primary cause of midcourse guidance unit failure. Unit caused midcourse guidance unit power supply to shut down and caused BIT failure. Reference assembly unit repaired under R/RO No. N72211XGU.

03JAN01: NAWC Pt. Mugu has reviewed of all the data presented and determined no further action warranted. This action closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL S/N		COMPLETE 06JAN96
		YORKTOWN/323000E	001729 RECEIPT STATUS		

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL S/N		COMPLETE 29FEB96
		YORKTOWN/323000E	001729 VISUAL INSP DATA		
		NAWC DET	PROVIDE MSL S/N		COMPLETE 29FEB96
		YORKTOWN/323000E	001729 AUR TEST DATA		
		NAWC PT MUGU/313100E	FOLLOWUP G/S 025103 DEPOT RECEIPT		CANCELED 30MAY99
		NAWC PT MUGU/313100E	FOLLOWUP G/S 025103 TEST/REPAIR STATUS		COMPLETE 30NOV99
		NAWC PT MUGU/313100E	FOLLOWUP GUIDE 025103 DOP DATA		COMPLETE 30DEC00

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS FIFE (DD-991) MESSAGE 162350ZAPR95	PROBLEM REPORT
		NAWC PT MUGU/313000E MESSAGE 250329ZAPR95	INTERIM RESPONSE
		NAWC PT MUGU/313000E CAIMS/SLITS DATABASE 13JUN95	MISSILE LOCATION REPORTED
		NAWC PT MUGU/313100E CAIMS/SLITS DATA 05JAN96	MSL SHIPMENT INFO
		NAWC PT MUGU/313100E AWARS DATABASE 30MAR96	MSL WPNSTA TEST DATA
		NAWC PT MUGU/313100E CAIMS/SLITS DATABASE 30MAY96	AUR MSL REISSUED TO FLEET
		NAWC PT MUGU/313100E AWARS DATABASE 26MAR97	G/S AT DEPOT F/REPAIRS
		NAWC PT MUGU/313100E AWARS MDS SHEET 30NOV99	G/S STATUS & LOCATION
		NAWC PT MUGU/313100E AWARS DATA 30DEC00	DOP REPAIR DATA
		NAWC PT MUGU/313100E COMMENT 03JAN01	CLOSURE

<b>ACTION</b>	<b>:</b>	<b>USS ARTHUR W.</b>	<b>CODR</b>	<b>V20588-94-0002</b>	<b>06APR94 CLOSED</b>
		<b>RADFORD (DD-968)</b>			

		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0303-30	1410	01-265-6664	PE30
		<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
		<b>S/N:</b> 065012, 065012			
<b>SUB-ASSY</b>	<b>:</b>	1657AS0505-5	1420	01-269-6469	
		<b>NOMEN:</b> GUIDANCE SECTION, GM			
		<b>S/N:</b> 045080, 045080			
<b>FAILED PART:</b>		1657AS0526-3	1420	01-271-7762	
		<b>NOMEN:</b> SEEKER, TARGET, RADAR			
		<b>S/N:</b> 045205, 040073			

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721****(Continued)****DESCRIPTION:**

061130ZAPR94: USS Arthur W. Radford (DD-968) while underway reported HARPOON RGM-84D-5 Missile S/N 065012 (NALC PE30), located in cell four, failed BIT while conducting Maintenance Requirement Card check 4821/400 R-11S. Failure display indicated "ALT NO-GO". BIT passed using Harpoon Guided Missile Simulator connected to cell four. Cell four was reconnected and three more consecutive BIT tests were run with the same results.

**ACTION TAKEN:**

130229ZMAY94: NAWC Pt. Mugu requested USS Radford to off-load the HARPOON PE30, Thickwall Canister Missile S/N 065012 at its earliest convenience for further transfer to NWS Yorktown.

06FEB95: CAIMS/SLITS database provided information stating that USS Radford had placed BIT failed missile in Condition Code "F" on 8 April 1994 and on 22 May 1994, changed the status to Code "J".

03APR95: CAIMS/SLITS database provided information stating that USS Radford had transported the faulty missile to NWS Earle on 27 July 1994 under shipping Document Number V20588-4167-8068. On 13 February 1995, NWS Yorktown took receipt of the missile in Condition Code "J". Note, missile logbook indicated that the missiles Maintenance Due Date had expired. (AWARS database refers)

11APR95: MDA's March 1995 CETS Activity Report provided the following All-up Round Missile Subsystem Test Set test results of the fleet returned BIT failed missile:

- 5210 - Missile Power-up
- 15 - Altimeter BIT
- 5320 - Transmitter Characteristics
- 06 - Transmitter Power Discrete
- 09 - SEE VOLUME II (listing unknown)
- 10 - SEE VOLUME II (listing unknown)
- 11 - SEE VOLUME II (listing unknown)
- 5330 - Static Range Accuracy & Range Search
- 10 - Lock-on
- 13 - Lock-on
- 14 - Lock-on Discrete
- 15 - Range
- 17 - Lock-on
- 5335 - RCVR SENS, STC, Search Pattern & False Alarm
- 13 - STC Attenuation (19K)
- 14 - STS Attenuation (7K)
- 15 - STS Attenuation (3K)
- 16 - STS Attenuation (1.1K)
- 17 - STC Slope
- 21 - SEE VOLUME II (listing unknown)



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

- 22 - SEE VOLUME II (listing unknown)
- 25 - Lock-on
- 27 - Attenuation Difference
- 5345 - Range Rate/Static Angle & Angle LOS Rate
- 19 - SEE VOLUME II (listing unknown)
- 5370 - RF Attenuation & Mission Profiles
- 14 - Mode 1 Discrete
- 15 - MCV No. 3
- 17 - Mode 2 Discrete
- 18 - MCV No. 1
- 5375 - Mode 2
- 02 - MCV No. 3 Transitions
- 03 - MAC Lock-on Duration
- 05 - Mode 2 Discrete
- 06 - Range
- 08 - Lock-on Discrete
- 09 - Breaklocks (Cruise = 0)
- 11 - Mode 2 Discrete
- 12 - Lock-on Discrete
- 13 - Reacquisition Discrete
- 15 - MCV No. 2
- 16 - Breaklock Cycle Time
- 18 - Mode 2 Discrete
- 19 - Range
- 5377 - Special Discriminate
- 17 - Lock-on MLV No. 2 Time
- 5395 - Seeker Lock-on Monitor Summary
- 01 - Total Breaklock Sequences
- 02 - Sequence 1
- 03 - Sequence 2
- 5512 - Altimeter Tests Common
- 01 - Digital Altitude-Transmitter Hold-off
- 04 - RF Power
- 05 - Lock-on Within 1 Second
- 06 - Digital Altitude
- 07 - Altitude Memory AND Leakage
- 08 - Digital Altitude
- 10 - Digital Altitude
- 12 - Near Range Altitude Accuracy
- 14 - Near Range Sensitivity
- 15 - MAX Near Range Loop Sensitivity
- 16 - Time To Lock
- 9810 - UUT Power Down
- 04 - Altimeter BIT

The All-up Round test results are indicative of a failed Guidance Section S/N 045080.

08JUN95: NWS Yorktown provided the following Action Report: Missile

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721****(Continued)**

Booster Rocket Motor S/N 030121 passed the continuity test. This unit was reinstalled on the missile and tested on 23 March 1995. An All-up Round Test was conducted on 27 March 1995 with the missile failing the following Missile Subsystem Test Set test parameter codes:

- 5210 - Missile Power Up
- 5320 - Transmitter Characteristics
- 5335 - RCVR SENS. STC. Search Pattern & False Alarm
- 5345 - Range Rate/Static Angle & Angle Line-of-Sight Rate
- 5512 - Altimeter Test - Common
- 9810 - UUT Power Down

Test results indicative of a defective guidance section.

29OCT95: After reviewing HARPOON AWARS database, the maintenance data system sheet in reference to inspection and test of missile S/N 065012 is as follows: 23 March 1995 - Maintenance data sheet was initiated. Incoming visual was conducted. Log book had an entry stating missile had failed BIT aboard ship. Missile Maintenance Due Date had also expired. Missile canister S/N 085095 removed and it required minor repairs. Missile booster S/N 030121 removed and it required test before reuse. Also, booster required AWB-239 Rev-A compliance. 27 March 1995 - Follow up maintenance data sheet was initiated for missile S/N 065012. As stated in MDA's March 1995 CETS report missile failed the Missile Subsystem Test Set all-up-round test. However, Maintenance data sheet information is not in complete agreement with failed parameters stated in the report. Narrative section of data sheet does not make any reference to missile failing test parameters, 5370, 5375, 5377 or 5395. Missile guidance section S/N 045080 removed and scheduled for depot shipment. Replacement guide S/N 055173 installed. Booster S/N 030121 and canister S/N 085095 were reinstalled. Rebuilt missile S/N 065012 passed final continuity test on 27 March and on 28 March 1995 missile was returned to ready-for-issue and condition code "A" status. Missile placed in storage.

15DEC95: MDA assigned depot Rework/Repair Order Number N53089XG to track the test and repair of the failed guidance section. It was received at the depot work site on 26 April 1995, but was not inducted for test and repair until 13 November 1995. To date, guidance section remains in the test and evaluation cycle.

22JUL96: Updated Rework/Repair Order N53089XG advises that guidance section S/N 045080 tests revealed that radar altimeter S/N 040073 was found to be the primary cause of guidance section failure and a secondary cause of failure was found in radar target seeker S/N 045205. The defective items were removed for further inspection and tests. Rework/Repair Order planning advises that the seeker unit will require incorporation of AWC-274 Part No. two and AWB-209 and

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

may require compliance with AWB-252. With replacement items installed the guidance section was returned to Ready-For-Issue status on 18 March 1996. Removed units will be tested and repaired under subtier R/ROs.

22AUG96: Depot Rework/Repair Order number N53089XGS has been assigned to track the inspection, test, repair and retrofit of seeker S/N 045205. The unit was placed into seeker work area on 17 April 1996, but was inducted until 06 June 1996. Seeker currently in the testing cycle.

03SEP96: Depot Rework/Repair Order number N53089XGA is currently being prepared to track the inspection, test and repair of the radar altimeter unit. No other data made available.

130829ZJAN97: NAWC Pt. Mugu provided all concerned activities with an interim summary of MDA's investigation.

13DEC00: NAWC Pt. Mugu's review of updated AWARS depot level maintenance data, concluded that defective seeker S/N 045205 repairs were completed. Seeker sensor unit S/N MSN-10231 was found to be faulty, requiring replacement. The sensor had an erratic voltage output (400 Hz). With a replacement sensor element installed, seeker S/N 045205 was returned to ready-for-issue status on 18 November 1996. Sensor unit repaired under rework/repair order number N53089XGSA and was returned to condition code "A" status on 02 May 1997. This action closes this deficiency.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC PT MUGU/313000E	OBTAIN G/S S/N 045080 SLT RESULTS		COMPLETE 29OCT95
		NAWC PT MUGU/313000E	OBTAIN G/S 045080 DOP TEST/REPAIR DATA		COMPLETE 22JUL96
		NAWC PT MUGU/313100E	FOLLOWUP SKR 045205 TEST/REPAIR DATA		CANCELED 22MAY00
		NAWC PT MUGU/313100E	FOLLOWUP ALT S/N 040073 TEST/REPAIR DATA		CANCELED 22MAY00
		NAWC PT MUGU/313100E	RESEARCH DOP MAINTENANCE DATA		COMPLETE 13DEC00
		NWS YORKTOWN/3042	PROVIDE RECEIPT DATE OF MSL S/N 065012		COMPLETE 08APR95
		NWS YORKTOWN/305	PROVIDE AURT RESULTS OF MSL S/N 065012		COMPLETE 08JUN95

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 14721**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ARTHUR W. RADFORD (DD-968) MESSAGE 061130ZAPR94	PROBLEM REPORT
	NAWC PT MUGU/P2631 MESSAGE 130229ZMAY94	INTERIM RESPONSE
	NAWC PT MUGU/P2631 CAIMS/SLITS DATABASE 06FEB95	MSL CONDITION CODE CHANGE
	NAWC PT MUGU/313000E CAIMS/SLITS DATABASE 03APR95	MSL DISPOSITION REPORT
	MDA-EAST MDA-EAST MAR95 CETS 11APR95	MSL AUR TEST RESULTS
	NWS YORKTOWN FAXED REPORT 08JUN95	MSL AUR TEST RESULTS
	NAWC PT MUGU/313100E AWARS DATABASE 29OCT95	MISSILE FAILURE CONFIRMED
	MDA-EAST R/RO N53089XG 15DEC95	G/S TEST/REPAIR STATUS
	MDA-EAST R/RO N53089XG UPDATE 22JUL96	G/S TEST RESULTS
	MDA-EAST R/RO N53089XGS 22AUG96	SKR IN FOR TEST/REPAIRS
	MDA-EAST R/RO N53089XGA 03SEP96	RDALT IN FOR TEST/REPAIRS
	NAWC PT MUGU/313100E MESSAGE 130829ZJAN97	INTERIM INVESTIGATION REPORT SUBMITTED
	NAWC PT MUGU/313100E COMMENT 13DEC00	CLOSING STATEMENT

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15242**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR SURF ATCK AUR GM	1657AS0100-52	1410	01-255-6341	PD84
	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14
	MISSILE BODY, TACTICAL	1657AS0500-52	1410	01-260-5336	3W99

**EI CNTRL NO:**

**PROB BRIEF :** FLUID LEAKAGES (HARPOON)

**PROBLEM :** Missile sustainer section was leaking bearing oil.  
**DESCRIPTION**

**PREVENTIVE :** Perform required inspection of the front bearing oil level on the  
**ACTION** turbojet engine and measure the leakage rate in accordance with AWB 314.

**CORRECTIVE :** Incorporate AWC 231 to remove the old seal and install a new  
**ACTION** magnetic seal in the turbojet engine.

<b>ACTION</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/P2621	PROVIDE AWCAP CLOSURE RATIONALE		COMPLETE 27JAN93

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/P2621 LTR SER P2622/K-905 27JAN93	AWCAP CLOSURE RATIONALE

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR</b>	<b>STATUS</b>
<b>OCCURRENCES:</b>	USS WASHINGTON (CVN-73)	CODR	V21412-95-0005	03OCT95	OPEN	
	NWS YORKTOWN	PQDR II	N00109-92-0115	30JUN92	CLOSED	*
	USS SIDES (FFG-14)	EMR	R20967-91-0001	28FEB91	CLOSED	*

\* ACTION REPORTED IN PREVIOUS PUBLICATION

<b>ACTION :</b>	USS WASHINGTON (CVN-73)	CODR	V21412-95-0005	03OCT95	OPEN
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085566			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085566			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15242**

**(Continued)**

**DESCRIPTION:**

030120Z OCT 95: While aboard USS Washington (CVN-73) and during the inspection of HARPOON Missile S/N 085566, it was discovered that engine oil was leaking from the missile's fuel vent, which is located on the Sustainer Section. The missile was offloaded to USS Mount Baker via shipping document no. V21412-5275-9012.

**ACTION TAKEN:**

050329Z OCT 95: NAWC Pt. Mugu has reviewed the deficiency report and concurs with the off loading of the missile. The following actions were provided: USS Mount Baker was requested to have the missile shipped at the earliest possible opportunity to NWS Yorktown. NWS Yorktown upon receipt of fleet returned missile, it is requested that a visual inspection be performed in order to verify the reported oil leak. Break down the missile to identify location of the leak. Provide findings of the inspection to NAWC Det Yorktown. NAWC Det Yorktown review NWS Yorktown's findings and prepare a report and have it submitted to NAWC Pt. Mugu. Include in the report P/Ns, S/Ns and analysis of all failed sections and assemblies. Also, provide shipping data on failed section(s) sent to the depot for repair.

21 FEB 96: NAWC Det Yorktown informed NAWC Pt. Mugu that there is no current information regarding this missile.

05 MAR 96: NAWC Det Yorktown informed NAWC Pt. Mugu that missile is still not in receipt at NWS Yorktown, but requested NOC IMSD to assist in having the missile shipped to NWS Yorktown.

09 APR 96: NWS Yorktown informed NAWC Pt. Mugu that NWS Yorktown was not in receipt of missile.

29 APR 96: Based on HARPOON AWARS database, on 02 October 1995, the missile in question was placed in Condition Code "K", and on 01 November, the missile was issued (AWARS Op Code 7A) in Condition Code "J" to an unknown activity.

02 MAY 96: HARPOON CAIMS/SLITS database show missile being issued to USS Mount Baker (AE-24) on 01 November 1995, under document number V20115-5289-9004 marked for NWS Charleston NC.

26 SEP 97: NAWC Pt. Mugu was informed by NAWC Det Yorktown that missile S/N 085566 was received at Yorktown on 10 July 1997.

02 SEP 99: NAWC Det Yorktown status report of 03 September 1999, stated that missile S/N 085566 remains at AOC Yorktown in condition code "E". No other details provided.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15242**

**(Continued)**

04AUG00: NAWC Det Yorktown status report of 04 August 2000, stated that missile S/N 085566 remains at AOC Yorktown in condition code "E". No other details provided.

01MAR01: NAWC Det Yorktown status report of 01 March 2001, missile S/N 085566 remains at AOC Yorktown in condition code "E".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE INSP/AUR TEST		CANCELED 26SEP97
		YORKTOWN/323000E	REPORT S/N 085566		
		NAWC DET	MONITOR MSL S/N		CANCELED 01MAR01
		YORKTOWN/323000E	085566 INDUCTION		
		NAWC PT MUGU/313100E	MONITOR MSL S/N		CANCELED 08AUG00
			085566 AURT		
		NAWC PT MUGU/313100E	MONITOR MSL 085566	28NOV01	OPEN
			STATUS		
		NWS YORKTOWN/304	PROVIDE MSL S/S		COMPLETE 26SEP97
			085566 RECEIPT DATE		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS WASHINGTON (CVN-73) MESSAGE	PROBLEM REPORT
	030120Z OCT95	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	050329Z OCT95	
	NAWC DET YORKTOWN/323000E "E"MAIL	MSL S/N 085566 STATUS
	REPORT 21FEB96	
	NAWC DET YORKTOWN/323000E E-MAIL	MSL NOT IN RECEIPT AT
	05MAR96	YORKTOWN
	NAWC DET YORKTOWN/323000E "E" MAIL	MSL S/N 085566 NOT RECEIVED
	09APR96	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL S/N 085566 ISSUED CC-J
	29APR96	ACTIVITY UNK
	NAWC PT MUGU/313100E CAIMS/SLITS	MSL S/N 085566 ISSUED TO
	DATABASE 02MAY96	AE-34 MT BAKER
	NAWC PT MUGU/313100E NWS AWCAP RPT	MISSILE S/N 085566 IN-RECEIPT
	26SEP97	
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL STATUS
	02SEP99	
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL STATUS
	04AUG00	
	NAWC DET YORKTOWN/323000E STATUS	MSL STATUS
	REPORT 01MAR01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO:** 15434

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-28	1410	01-263-2929	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	TARTAR SURF ATCK AUR GM	1657AS0400-26	1410	01-263-2914	PE13
	TARTAR SURF ATCK AUR GM	1657AS0400-30	1410	01-263-2912	PE14
	AIR TRNG MSL, INERT	543-174-0109	6920	01-126-5399	UW78
	BALLISTIC AIR TEST VEHICLE	79-5043-2040	1410	01-110-5518	JW99

**EI CNTRL NO:**

**PROB BRIEF :** CORROSION/RUST AND WATER INTRUSION (MISSILE/CABLE)

**PROBLEM DESCRIPTION :** Salt water, moisture intrusion and associated rust and corrosion results in missile damage.

**PREVENTIVE ACTION :** Strict adherence to established rust and corrosion preventive procedures.

**CORRECTIVE ACTION :** Upgraded rust and corrosion protection and preventive instructions and procedures.

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS CAPE ST GEORGE (CG-71)	CODR	V21828-01-0001	23JAN01	OPEN
	USS SIDES (FFG-14)	CODR	R20967-00-0001	23DEC00	OPEN
	USS MOBILE BAY (CG-53)	CODR	V21346-00-0005	11OCT00	OPEN
	NSF DIEGO GARCIA	CODR	N68539-00-0005	07JUL00	OPEN
	NSF DIEGO GARCIA	CODR	N68539-00-0006	07JUL00	OPEN
	USS MONTEREY (CG-61)	CODR	V21450-00-0001	19MAY00	OPEN
	USS SPRUANCE (DD-963)	CODR	V20574-00-0001	19MAY00	OPEN
	USS GEORGE PHILIP (FFG-12)	CODR	R20965-99-0002	04MAR00	OPEN
	USS THACH (FFG-43)	CODR	R21110-00-0001	28FEB00	OPEN
	USS VELLA GULF (CG-72)	CODR	V21829-00-0001	07JAN00	OPEN
	USS HALYBURTON (FFG-40)	CODR	V21107-99-0001	06DEC99	OPEN
	USS LEYTE GULF (CG-55)	CODR	V21388-99-0001	20OCT99	OPEN
	USS GETTYSBURG (CG-64)	CODR	V21624-99-0001	13AUG99	OPEN
	USS STOUT (DDG-55)	CODR	V21685-99-0002	13AUG99	OPEN
	USS STOUT (DDG-55)	CODR	V21685-99-0003	13AUG99	OPEN
	USS STOUT (DDG-55)	CODR	V21685-99-0004	13AUG99	OPEN
	USS STOUT (DDG-55)	CODR	V21685-99-0005	13AUG99	OPEN



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**PROBLEM NO: 15434**

**(Continued)**

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
USS STOUT (DDG-55)	CODR	V21685-99-0006	13AUG99	OPEN
USS STOUT (DDG-55)	CODR	V21685-99-0007	13AUG99	OPEN
USS STOUT (DDG-55)	CODR	V21685-99-0008	13AUG99	OPEN
USS STOUT (DDG-55)	CODR	V21685-99-0009	13AUG99	OPEN
USS THORN (DD-988)	CODR	V20835-99-0001	13AUG99	OPEN
USS KLAKRING (FFG-42)	CODR	V21109-99-0002	12AUG99	CLOSED *
USS KAUFFMAN (FFG-59)	CODR	V21390-99-0001	05FEB99	OPEN
USS VINCENNES (CG-49)	CODR	R21295-97-0002	24DEC97	OPEN
USS JARRETT (FFG-33)	CODR	R21058-97-0002	02APR97	CLOSED *
USS JARRETT (FFG-33)	CODR	R21058-94-2001	21NOV94	CANCELED*
VA-35	CODR	V09728-93-0135	20DEC93	CLOSED *
USS ROBERTS (FFG-58)	EMR	V21352-93-0001	19NOV93	CLOSED *
USS THACH (FFG-43)	EMR	R21110-92-0001A	25JAN93	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : USS CAPE ST GEORGE CODR V21828-01-0001 23JAN01 OPEN  
(CG-71)**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
:	1657AS0302-30	1410	01-263-2928	PE25
<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM				
<b>S/N:</b> L0661				
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM				
<b>S/N:</b> L0661				

**DESCRIPTION:**

232210ZJAN01: USS Cape St. George (CG-71) reported that on 19 January 2001, HARPOON missile S/N L0661 was being prepared for off load when it was discovered that missile cable assembly connector receptacle unit found damaged. Pins from the umbilical control cable had broken off in the missile's receptacle unit. Missile BIT had not been performed.

**ACTION TAKEN:**

290129ZJAN01: NAWC Pt. Mugu acknowledged receipt of HARPOON missile S/N L0661 cable assembly deficiency report. Concur with missile being off loaded at AOC Yorktown scheduled for 01 March 2001. Requested NSWC Port Hueneme to address the problem regarding the development of Preventive Services for a periodic condition check of missile launch relay assembly cover seals.

30AUG01: Review of AWARAS data concluded that AOC Yorktown took

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

receipt of missile S/N L0661 on 07 March 2001, and missile is currently in condition code "J".

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MSL L0661		COMPLETE 30AUG01
	YORKTOWN/323000E	RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL L0661	28NOV01	OPEN
		INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CAPE ST GEORGE (CG-71) MESSAGE	PROBLEM REPORT
	232210ZJAN01	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	290129ZJAN01	
	NAWC PT MUGU/313100E AWARS 30AUG01	MSL INDUCTION STATUS

<b>ACTION :</b>	<b>USS SIDES (FFG-14)</b>	<b>CODR</b>	<b>R20967-00-0001</b>	<b>23DEC00</b>	<b>OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065562			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065562			

**DESCRIPTION:**

230500ZDEC00: USS Sides (FFG-14) while in port at NWS Seal Beach and conducting missile off load inspection, inspection of HARPOON, PE14 TARTAR missile S/N 065562 revealed some minor rust and corrosion. Also, a one inch scratch was noted on a booster fin. The scratch may have been caused from the misalignment of the MK-13 Guided Missile Launch System. Note, during USS Sides off load back in September 1998, similar type scratches were discovered on HARPOON missiles. Technician inspected the MK-13 system and found no discrepancies

**ACTION TAKEN:**

100129ZJAN01: NAWC Pt. Mugu requested NWS Seal Beach to have missile S/N 065562 shipped to AOC Yorktown for corrosion and rust analysis, test and fin repairs. The MK-13 launch system manager at NSWC Port Hueneme was notified regarding appropriate action to be taken to correct the alignment problem.

30MAR01: NAWC Pt. Mugu upon reviewing AWARS information was concluded that as of 13 March 2001, missile S/N 065562 was in receipt at AOC Yorktown and in condition code "J". AOC Yorktown took receipt of missile on 7 February 2001 from NWS Seal Beach.

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 30MAR01
		YORKTOWN/323000E	065562 RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 065562	14DEC01	OPEN
			INDUCTION		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS SIDES (FFG-14) MESSAGE 230500ZDEC00	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		100129ZJAN01	
		NAWC PT MUGU/313100E AWARS 30MAR01	MSL STATUS

<b>ACTION</b>	<b>:</b>	<b>USS MOBILE BAY</b>	<b>CODR</b>	<b>V21346-00-0005</b>	<b>11OCT00</b>	<b>OPEN</b>
		(CG-53)				

	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>		1657AS0302-28	1410	01-263-2929	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 065403, 065360			
<b>FAILED PART:</b>		1657AS0302-28	1410	01-263-2929	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 065403, 065360			

**DESCRIPTION:**

270141ZSEP00: USS Mobile Bay (CG-53) while at NWS Seal Beach, reported that on 21 September 2000, HARPOON missiles were being off loaded when two PE25 canister missiles were rejected due to excessive corrosion. Excessive corrosion was in evidence on the cannisters. Both missiles, S/Ns 065403 and 065360 were downgraded to condition code J. Note; 282155ZSEP00 USS Mobile Bay was a duplication of the original reported deficiency, as previously was stated above.

112055ZOCT00: USS Mobile Bay cancels Mobile Bay messages 270141ZSEP00 and 282155SEP00. Both these messages were submitted in error. CODR resubmitted.

112145ZOCT00: USS Mobile Bay resubmitted deficiency report advising that HARPOON missile S/Ns 065403 and 065360 were rejected during missile off load operations, which were held at NWS Seal Beach. Inspection of the two missiles revealed corrosion on missile canister mounting brackets. Both missiles were placed in condition code J. The HARPOON missile launch support structure is located on the fantail of the ship. At this position missile are being exposed to excessive sea spray.

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

**ACTION TAKEN:**

030429Z OCT00: NAWC Pt. Mugu acknowledges receipt of missile deficiency report in reference to corrosion found on missile S/Ns 065403 and 065360. Requested NWS Seal Beach to have missiles shipped to AOC Yorktown at the earliest possible opportunity.

170829Z OCT00: NAWC Pt. Mugu has reviewed reported USS Mobile Bay (CG-53) missile deficiency reports and does concur with the cancelation of NAWC Pt. Mugu 030429Z OCT00. However, NWS Seal Beach is still requested to have both missiles, S/Ns 065403 and 065360 shipped to AOC Yorktown for further test and repairs.

30MAR01: NAWC Pt. Mugu upon the review of AWARS information concluded that both missiles, S/Ns 065360 and 065403 as of 21 February 2001 were in receipt at AOC Yorktown. Both remain in condition code "J".

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	MONITOR MSL 065403		COMPLETE 30MAR01
		YORKTOWN/323000E	RECEIPT		
		NAWC DET	MONITOR MSL 065360		COMPLETE 30MAR01
		YORKTOWN/323000E	RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 065360	14DEC01	OPEN
			INDUCTION		
		NAWC PT MUGU/313100E	MONITOR MSL 065403	14DEC01	OPEN
			INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS MOBILE BAY (CG-53) MESSAGE 270141Z SEP00	PROBLEM REPORT
	USS MOBILE BAY (CG-53) MESSAGE 282155Z SEP00	DUPLICATE PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 030429Z OCT00	INTERIM RESPONSE
	USS MOBILE BAY (CG-53) MESSAGE 112055Z OCT00	CANCELLED ORIGINAL REPORTS
	USS MOBILE BAY (CG-53) MESSAGE 112145Z OCT00	CORRECTED COPY PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170829Z OCT00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS 30MAR01	MSLS STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION : NSF DIEGO GARCIA CODR N68539-00-0005 07JUL00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	79-5043-2040	1410	01-110-5518	JW99
	<b>NOMEN: BALLISTIC AIR TEST VEHICLE</b>			
	<b>S/N: 006155</b>			
<b>FAILED PART:</b>	79-5043-2040	1410	01-110-5518	JW99
	<b>NOMEN: BALLISTIC AIR TEST VEHICLE</b>			
	<b>S/N: 006155</b>			

**DESCRIPTION:**

070319ZJUL00: The weapons department at Naval Support Facility Diego Garcia reported that during a HARPOON missile inspection, it was discovered that Ballistic Air Test Vehicle (BATV) S/N 006155 was found damaged beyond repairs of station weapons. Weapon's technicians discovered missile was chipped, gouged and severely corroded. Also, wings and fins had intergranular corrosion.

**ACTION TAKEN:**

110129ZJUL00: NAWC Pt. Mugu informed NSF Diego Garcia to have missile S/N 006155 shipped to NSWC Indian Head.

07MAY01: HARPOON inventory manager at NALC Mechanicsburg PA, advises that missile S/N 006055, which is in condition code "J", be prepared and shipped to NSWC Indian Head MD under Document No. N49935-0228-5255 at the earliest possible opportunity.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC PT MUGU/313100E	FOLLOWUP ON MSL	14DEC01	OPEN
		006155 SHIPMENT		
	NSWC INDIAN HEAD/ORD	MONITOR MSL S/N 06155		CANCELED
		RECEIPT		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NSF DIEGO GARCIA MESSAGE 070319ZJUL00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	110129ZJUL00	
	NALC MECHANICSBURG/41B E-MAIL REPORT	MSL SHIPMENT STATUS
	07MAY01	

**ACTION : NSF DIEGO GARCIA CODR N68539-00-0006 07JUL00 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	543-174-0109	6920	01-126-5399	UW78
	<b>NOMEN: AIR TRNG MSL, INERT</b>			
	<b>S/N: 006013</b>			
<b>FAILED PART:</b>	543-174-0109	6920	01-126-5399	UW78
	<b>NOMEN: AIR TRNG MSL, INERT</b>			
	<b>S/N: 006013</b>			

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**PROBLEM NO: 15434**

**(Continued)**

**DESCRIPTION:**

070219ZJUL00: The weapons department at Naval Support Facility Diego Garcia reported that during a HARPOON missile inspection, it was discovered that HARPOON ATM-84A-1B, S/N 006013 were found damaged beyond repairs of station weapons. Weapon's technicians discovered missile was chipped, gouged and severely corroded. Also, wings and fins had intergranular corrosion.

**ACTION TAKEN:**

110129ZJUL00: NAWC Pt. Mugu informed NSF Diego Garcia to have missile S/N 006013 shipped to NSWC Indian Head.

130119ZJUL00: NSF Diego Garcia provided a correction to change the deficiency report control number to read 68539-00-0006.

07MAY01: HARPOON inventory manager at NALC Mechanicsburg PA, advises that missile S/N 006013, which is in condition code "J", be prepared and shipped to NSWC Indian Head MD under Document No. N49935-0228-5257 at the earliest possible opportunity.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NSWC INDIAN HEAD	MONITOR MSL RECEIPT	08NOV00	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		NSF DIEGO GARCIA MESSAGE 070219ZJUL00	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 110129ZJUL00	INTERIM RESPONSE
		NSF DIEGO GARCIA MESSAGE 130119ZJUL00	PROBLEM REPORT CORRECTION
		NALC MECHANICSBURG/41B E-MAIL REPORT 07MAY01	MSL SHIPMENT DATA

<b>ACTION</b>	<b>:</b>	<b>USS MONTEREY (CG-61) CODR</b>	<b>V21450-00-0001</b>	<b>19MAY00</b>	<b>OPEN</b>
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		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 001721, 001958, 085792, 300844, L0409, L1008, L1294			
<b>FAILED PART:</b>		1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 001721, 001958, 085792, 300844, L0409, L1008, L1294			

**DESCRIPTION:**

191800ZMAY00: USS Monterey (CG-61) reported that on 25 April 2000 NAWC Det Yorktown representatives came aboard to missile a pre-offload inspection. Upon conclusion of inspection seven PE24 HARPOON canister missiles, S/Ns 001721, 001958, 085792, 300844,

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

L0409, L108 and L1294 had unsatisfactory amounts of corrosion. Corrosion was located in the vicinity of the connector base aluminum rivets. As a result of the inspection all seven missile were placed in condition code "J". Ship conclude that canisters had been in continuous service on CG-47 class ships since 1995. Also canisters were exposed to saltwater on a routine and continuous basis. The canisters contained both aluminum and cres rivets. No corrosion was noted in the vicinity of the cres rivets. Corrosion was also noted on mounting bases of the integral stacking frames. Stacking frames experienced saltwater exposure with no capability to preserve HARPOONS in place. Ship's ordnance crew suspect environment and improper design as contributing factors for the corrosion. Also, the location of launcher on the fantail and the use of aluminum rivets. All being corrosion factors requiring attention. The ship advises that CG-47 class design prevents placement of launcher in a different location.

**ACTION TAKEN:**

220029ZMAY00: The CFA of the HARPOON Launcher Support Structure will provide an assessment report regarding the corrosion found on Launcher Support Structure stacking frames. Missile S/Ns 001721, 001958, 085792, 300844, L0409, L1008 and L1294 are to be inducted for corrosion analysis and repaired, if required.

010400ZJUN00: NSWC Port Hueneme the manager of the launcher support structure provided the following statement in response to NAWC Pt Mugu request of 22 May 2000. NAWC Pt. Mugu 220029ZMAY00 refers. Integral canister stacking frames are currently isolated from the launcher support structure by fiberglass spacers on the mid and aft launcher beams. USS Monterey recommended design apply to HARPOON canister vice launcher. Note, Maintenance Requirement Card 7211/009 W-1R/Q-3R; 7200/009 Q-4R; HARPOON Newsgram of September 1999; and HSCLCS Technical Bulletin Number 2.4-22 of 21 January 2000, Preventative Maintenance Services and other related documentation on maintenance are current and have been distributed to fleet activities. Newsgram articles on corrosion are release periodically to maintain a high level of awareness. Additional information can be accessed from the Sailor-to-Engineer WEB site.

30MAY01: AWARS SLITS data sheets are showing missile S/Ns 001721, 085792, 300844, L0409, L1008 and L1294 being at AOC Yorktown as of 21 February 2001. There is no record as to whether missile S/N 001928 was in receipt at AOC Yorktown. All of the missiles at Yorktown are in condition code "J".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSLS		CANCELED
		YORKTOWN/323000E	CORROSION ASSESSMENT		

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

**ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS**  
**SUMMARY** NAWC PT MUGU/313100E MONITOR MSL INDUCTION 10DEC01 OPEN  
STATUS

**REFERENCES : IDENTIFICATION REFERENCE BRIEF**  
USS MONTEREY (CG-61) MESSAGE PROBLEM REPORT  
191800ZMAY00  
NAWC PT MUGU/311200E MESSAGE INTERIM RESPONSE  
220029ZMAY00  
NSWC PORT HUENEME MESSAGE 010400ZJUN00 ADDITIONAL INFORMATION  
NAWC PT MUGU/313100E AWARS 30MAY01 RECEIPT OF MSLS

**ACTION : USS SPRUANCE CODR V20574-00-0001 19MAY00 OPEN**  
**(DD-963)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002387, 300231, 300644, 300823, 301041, L0891, 065292			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 002387, 300231, 300644, 300823, 301041, L0891, 065292			

**DESCRIPTION:**

192152ZMAY00: USS Spruance (DD-963) reported that on 8 May 2000, in preparation for weapons off load NAWC Det Yorktown representative inspected missile that were aboard during deployment. Upon conclusion of inspection, the ship's Ordnance Officer was informed of the seven PE25 HARPOON canister missiles aboard displayed evidence rejectable corrosion. Missile S/Ns 002387, 065292, 300231, 300644, 300823, 301041 and L0891 were placed in condition code "J" due to inspection results of corrosion.

**ACTION TAKEN:**

220129ZMAY00: NAWC Pt. Mugu acknowledges receipt of missile deficiency report. USS Spruance was informed that corroded missiles will be inducted at the earliest possible opportunity for corrosion assessment, test and repairs.

30APR01: NAWC Pt. Mugu upon review of AWARS SLITS information concluded that all seven PE25 missiles, S/Ns 002387, 065292, 300231, 300644, 300823, 301041, and L0891, were in receipt AOC Yorktown as of 21 February 2001. All of them remains in storage condition code "J".



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**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET YORKTOWN/323000E	MONITOR MSL INDUCTION		COMPLETE 30APR01
		NAWC PT MUGU/313100E	MONITOR STATUS OF MISSILES	14DEC01	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS SPRUANCE (DD-963) MESSAGE 192152ZMAY00	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 220129ZMAY00	INTERIM RESPONSE
		NAWC PT MUGU/313100E AWARS 30APR01	STATUS OF MSLS

<b>ACTION</b>	<b>:</b>	<b>USS GEORGE PHILIP (FFG-12)</b>	<b>CODR</b>	<b>R20965-99-0002</b>	<b>04MAR00 OPEN</b>
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	<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
			1657AS0400-30	1410	01-263-2912	PE14
			<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
			<b>S/N:</b> 002358			
	<b>FAILED PART:</b>		1657AS0400-30	1410	01-263-2912	PE14
			<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
			<b>S/N:</b> 002358			

**DESCRIPTION:**

040123ZMAR00: USS George Philip (FFG-12) reported that during off-load inspection of RGM-84D-4, HARPOON TARTAR PE14 missile S/N 002358 rust and corrosion was found on some structure screws. During normal operations, missile experienced some salt water corrosion.

**ACTION TAKEN:**

040329ZAPR00: NAWC Pt. Mugu informed NWS Seal Beach to ensure missile S/N 002358 is placed in condition code "J" and that it be shipped to AOC Yorktown for corrosive evaluation and test. AOC Yorktown request to administer appropriate action to return missile to the ready-for-issue status.

25AUG00: NAWC Det Yorktown status report of 04 August 2000 currently showing missile S/N 002358 still in receipt at NWS Seal Beach. NAWC Pt. Mugu to notify Seal Beach to have missile returned to AOC Yorktown as soon as possible.

30APR01: NAWC Pt. Mugu upon review of AWARS information concluded defective missile S/N 002358 was received at AOC Yorktown on 05 September 2000. It also concluded that as of 13 April 2001, the defective missile was still in receipt at AOC Yorktown in condition code "J".

30-NOV-01

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC DET	MONITOR MISSILE S/N		COMPLETE 30APR01
	YORKTOWN/323000E	002358 RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL 002358	14DEC01	OPEN
		INDUCTION		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS GEORGE PHILIP (FFG-12) MESSAGE	PROBLEM REPORT
	040123ZMAR00	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	040329ZAPR00	
	NAWC PT MUGU/313100E COMMENT 25AUG00	MSL STATUS
	NAWC PT MUGU/313100E AWARS 30APR01	MSL STATUS

<b>ACTION :</b>	<b>USS THACH (FFG-43)</b>	<b>CODR</b>	<b>R21110-00-0001</b>	<b>28FEB00</b>	<b>OPEN</b>
		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30		1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
	<b>S/N:</b> L0992				
<b>FAILED PART:</b>	1657AS0400-30		1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM				
	<b>S/N:</b> L0992				

**DESCRIPTION:**

281436ZFEB00: USS Thach (FFG-43) advises that on 08 December 1999, during missile off load inspection, PE14, RGM-84D-4, PE14 TARTAR missile S/N L0992 revealed access cover screws severely corroded. Suspect magazine temperature not maintained at appropriate level for missile storage. This was in evidence due to the amount of condensation found on magazine bulkheads. (Note, Missile deficiency report submitted upon request. NAWC Pt. Mugu 170029ZFEB00 refers).

**ACTION TAKEN:**

290029ZFEB00: NAWC Pt. Mugu informed NWS Seal Beach to have missile S/N L0992 shipped to AOC Yorktown at the earliest possible time. AOC Yorktown to conduct corrosion assessment at the earliest opportunity upon missile receipt. Requested USS Thach to ensure that the missile magazine environmental control issue is attended to in order to alleviate further magazine temperature problems.

25AUG00: NAWC Pt Mugu to conduct follow up action on missile off load status and whether NWS Seal Beach had shipped missile to AOC Yorktown as requested.

30APR01: NAWC Pt. Mugu upon review of AWARS information concluded that defective missile S/N L0992 was received at AOC Yorktown on 05 September 2000. Also, it was concluded that as of 13 April 2001, the missile was still in receipt at AOC in storage.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET	MONITOR MISSILE S/N		CANCELED
	YORKTOWN/323000E	L0992 RECEIPT		
	NAWC PT MUGU/313100E	MONITOR MSL L0992 OFF		COMPLETE 30APR01
		LOAD STATUS		
	NAWC PT MUGU/313100E	MONITOR MSL L0992	14DEC01	OPEN
		INDUCTION		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	CODR SUBMITTAL REQUEST
	170029ZFEB00	
	USS THACH (FFG-43) MESSAGE 281436ZFEB00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	290029ZFEB00	
	NAWC PT MUGU/313100E COMMENT 25AUG00	MSL OFF LOAD STATUS
	NAWC PT MUGU/313100E AWARS 30APR01	MST STATUS

<b>ACTION</b>	<b>:</b>	<b>USS VELLA GULF</b>	<b>CODR</b>	<b>V21829-00-0001</b>	<b>07JAN00 OPEN</b>
		<b>(CG-72)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001815, 065259, 065326, 085306, 300196, 300708, 301026, 301036			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001815, 065259, 065326, 085306, 300196, 300708, 301026, 301036			

**DESCRIPTION:**

071807ZJAN00: USS Vella Gulf (CG-72) reported that on 29 November 1999 while at AOC Yorktown VA eight PE25 HARPOON missiles were off loaded. Corrosion was discovered on the exterior of the canister for all eight missiles, S/Ns 001815, 065259, 065326, 085306, 300196, 300708, 301026 and 301036. The ship stated that all scheduled preventive maintenance and inspections were conducted while deployed in accordance with authorized Maintenance Requirements Card procedures.

**ACTION TAKEN:**

110329ZJAN00: NAWC Pt. Mugu acknowledged receipt of deficiency report which stated that eight missiles, S/Ns 001815, 065259, 065326, 085306, 300196, 300708, 301026 and 301036 were off load and corrosion was found on canister's exterior. AOC Yorktown upon receipt of these missiles is to conduct damage assessment and submit results to NAWC Pt. Mugu.

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434****(Continued)**

31JUL00: AWARS maintenance data sheet in reference to missile S/N 001815 was initiated on 18 January 2000 and was inducted for test and other maintenance actions. During incoming visual inspection excessive corrosion was found throughout the exterior of canister. Canister S/N GQN-0403 was removed for repairs. Upon completion of incoming test, missile had failed the below listed test modules and measurements:

- 5335 - Receiver Sensitivity, STC., Search Pattern & False Alarm
- 13 - STC Attenuation (7K) - PCode 3160
- 14 - STC Attenuation (3K) - PCode 3161
- 15 - STC Attenuation (1.1K) - PCode 3162
- 16 - STC Slope - PCode 3163
- 21 - See Volume II - PCode 3171.1
- 23 - Sea Clutter Desensitization - PCode 3107
- 5360 - Mode 1
- 5370 - RF Attenuation & Mission Profiles
- 5610 - FCE Tests

These fail code identified a faulty guide and sustainer unit. According to data sheet narrative defective guide and sustainer were to sent to depot for demilitarization.

01AUG00: AWARS maintenance data sheet for missile S/N 065259 was initiated on 26 January 2000. Missile log book stated that missile was rejected for excessive corrosion on canister. Incoming visual inspection found canister exterior corroded and signs of interior water intrusion. Canister S/N 060083 removed due to corrosion and possible interior water intrusion. Booster section S/N 030214 was removed due to corrosion found around the electromagnetic interference shield and possible water intrusion. Corrosion was found on the exterior of the guide, warhead, sustainer and the control section. Units being held for demilitarization. Unit remains at Yorktown in storage.

05AUG00: AWARS maintenance data sheet in reference to fleet returned missile S/N 065326 was initiated on 18 January 2000. A missile incoming visual inspection was conducted. Excessive corrosion found throughout exterior of canister S/N 020045. Canister was removed. Missile incoming test was performed and it failed the following test modules:

- 5320 - Transmitter Characteristics
- 09 - See Volume II - PCode 3080.1
- 10 - See Volume II - PCode 3068.1
- 11 - See Volume II - PCode 3069.1
- 5335 - Receiver Sensitivity, STC., Search Pattern & False Alarm
- 5345 - Range Rate/Static Angle & Angle Line of Sight Rate
- 19 - See Volume II - PCode 3230.2
- 5375 - Mode 2

Failures indicated a failed guidance section. Guidance section S/N

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434****(Continued)**

055038 was removed on 18 January 2000. With replaced units installed, on 19 January 2000 missile passing on retest. On 24 January 2000, it was returned to condition code "A", ready for issue status. On 03 February 2000, guidance section S/N 055038 failed section level test module 6810 (Seeker Status and Boresight), and measurement number ten (Seeker Power Supply GO/GO-NO) PCode 3010.1.

06AUG00: AWARS maintenance data sheet for fleet returned missile S/N 085306 was initiated on 07 February 2000. A missile incoming visual inspection was conducted. Inspection revealed excessive corrosion on the exterior of canister S/N GQN-0343. Canister was removed and held over for repairs. Upon conclusion of missile incoming all-up-round test it had failed the following:

- 5335 - Receiver Sensitivity, STC., Search Pattern & False Alarm
- 5345 - Range Rate/Static Angle & Angle Line of Sight Rate
- 5370 - RF Attenuation & Mission Profiles
- 5377 - Special Discriminate

These codes identified a faulty guide unit. Therefore, on 08 February 2000, guidance section S/N GQN-1257 was removed. On 09 February 2000, with replacement guide S/N 025190 installed missile S/N 085306 was returned to condition code "A" status.

08AUG00: AWARS maintenance database data sheet for fleet returned missile S/N 300196 was initiated on 07 February 2000. Missile incoming inspection was performed. Log book identified missile was rejected for corrosion. Excessive corrosion found on the exterior of canister S/N GQN-0282, therefore, it was removed. On 08 February 2000, wings and fins were inoperable due to corrosion. With a bad guide and excessive body corrosion, missile S/N 300196 placed in condition code "F", pending receipt of demilitarization instruction from NAVAIR.

09AUG00: AWARS maintenance data sheet for fleet returned missile S/N 300708 was initiated on 14 February 2000. Missile incoming visual inspection was conducted. There was a log book entry stated that missile failed due to missile canister corrosion. Canister S/N GQN-0535 was removed due to excessive corrosion found on exterior. Missile all up round test was performed on 15 February 2000, at which time missile failed block number three test parameters. Failing these parameters are indicative to a faulty guidance section. Guidance section S/N 025161 was removed and replaced with S/N 035027. Repaired missile S/N 300708 was returned to condition code "A" status on 17 February 2000.

10AUG00: AWARS maintenance system data sheet for fleet returned missile S/N 301026 was initiated on 14 February 2000. Incoming inspection was conducted. Missile log book stated that missile was reject for corrosion. Canister S/N GQN-0117 was removed for repairs.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

The canister's exterior was excessively corroded. Missile incoming test resulted in missile failing the following:

5160 - Missile Pre-power Resistance Test  
- 12 - Power Converter (Phase A Neut) Voltage - PCode 1160  
- 13 - Power Converter (Phase A Neut) Resistance - PCode 1161  
Block No. 3 (No details provided)  
Guidance section was removed.

11AUG00: In reference to fleet returned missile S/N 301036 an AWARS maintenance data system sheet was initiated on 22 February 2000. An incoming inspection was conducted. Missile was rejected for excessive corrosion. Missile canister S/N 040026 was removed for corrosion. Incoming test was conducted, and missile failed the below test:

5340 - Direction Finding  
- 19 - (unknown)  
Missile guidance section S/N 045043 was removed.

30NOV00: Review of AWARS maintenance data concluded that defective guidance section S/N 055038 on 28 February 2000, had been placed onto defective missile S/N L0570. Guidance section held for demilitarization

30JAN01: Review of NAWC Pt. Mugu AWARS maintenance data, concluded that defective guidance section S/N GQN-1257 on 22 February 2000 has been placed on defective missile S/N L0955. Missile is currently scheduled for demilitarization.

15FEB01: Review of NAWC Pt. Mugu AWARS maintenance data, concluded that defective guidance section S/N 025161 on 23 February 2000 was placed onto defective missile S/N 085422. It was built up with cannibalized parts. Missile currently scheduled for demilitarization.

28FEB01: Review of an updated NAWC Pt. Mugu AWARS maintenance data sheet in reference to defective missile S/N 301026, concluded it had failed missile incoming test. At that time, guidance section 077183 was found to have been the cause of missile failure. On 23 February 2001 defective guidance section was placed onto defective missile body S/N 002082. The build up of this was from cannibalized missile parts. Missile is currently scheduled for demilitarization.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	REVIEW	14DEC01	OPEN
			DEMILITARIZATION		
			POLICY		
		NSWC PORT	REVIEW PMS PROCEDURES	28SEP00	OPEN
		HUENEME/4G21			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VELLA GULF (CG-72) MESSAGE 071807ZJAN00	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 110329ZJAN00	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS DATABASE 31JUL00	AURT & INSPECTION OF MSL 001815
	NAWC PT MUGU/313100E AWARS DATABASE 01AUG00	INSPECTION OF MSL 065259
	NAWC PT MUGU/313100E AWARS DATABASE 05AUG00	MSL 065326 INSPECTION/AURT
	NAWC PT MUGU/313100E AWARS DATABASE 06AUG00	MSL 085306 INSPECTION & TEST
	NAWC PT MUGU/313100E AWARS DATABASE 08AUG00	MSL 300196 INSPECTION & TEST
	NAWC PT MUGU/313100E AWARS DATABASE 09AUG00	MSL 300708 INSPECTION & TEST
	NAWC PT MUGU/313100E AWARS DATABASE 10AUG00	MSL 301036 INSPECTION & TEST
	NAWC PT MUGU/313100E AWARS DATABASE 11AUG00	INSPECTION/TEST DATA
	NAWC PT MUGU/313100E AWARS 30NOV00	DEFECTIVE GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 30JAN01	GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 15FEB01	GUIDE STATUS FOLLOWUP
	NAWC PT MUGU/313100E AWARS 28FEB01	DEFECTIVE GUIDE STATUS

**ACTION : USS HALYBURTON CODR V21107-99-0001 06DEC99 OPEN  
(FFG-40)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065758, 300676			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> 065758, 300676			

**DESCRIPTION:**

061116ZDEC99: USS Halyburton (FFG-40) reported that on 15 November 1999 while in port pier side at AOC Yorktown VA visual inspection of ammunition off load was being performed. During inspection two PE14 HARPOON missiles revealed signs of corrosion. Missile S/N 065758 corrosion was found on warhead set screws, wing root bolts and booster assembly. Missile S/N 300676 corrosion was in evidence on the booster assembly.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION TAKEN:**

080229ZDEC99: NAWC PT. Mugu requested USS Halyburton (FFG-40) to provide copies of Maintenance Requirements Card/Preventative Maintenance Services instructions and/or procedures used to prevent corrosion while deployed. Review of these document will be addressed at next Reliability Assessment Team meeting. Missile S/Ns 065758 and 300676 are to be shipped to AOC Yorktown for damage assessment, tests and repairs.

171020ZDEC99: USS Halyburton informed NAWC Pt. Mugu of the procedures and instructions used in performing the required corrosion prevention maintenance while missiles are aboard ship. These documents were faxed to NAWC Pt. Mugu as requested.

25AUG00: CAIMS/SLITS data is showing both HARPOON missiles, S/Ns 065758 and 300676 were in receipt at AOC Yorktown in condition code "F". They had not been inducted. Missiles were received at Yorktown under document no. V21107-9314-8006.

30AUG01: Both missiles, S/Ns 065758 and 300676, are still in condition code "F" and still in storage at AOC Yorktown. No details available.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	MONITOR MSL INDUCTION		CANCELED
		YORKTOWN/323000E			
		NAWC PT MUGU/313100E	MONITOR MSL 065758		CANCELED 24AUG00
			DAMAGE ASSESSMENT		
		NAWC PT MUGU/313100E	MONITOR MSL 300676		CANCELED 25AUG00
			DAMAGE ASSESSMENT		
		NAWC PT MUGU/313100E	MONITOR MSLS STORAGE	06DEC01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS HALYBURTON (FFG-40) MESSAGE	PROBLEM REPORT
	061116ZDEC99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	080229ZDEC99	
	USS HALYBURTON (FFG-40) MESSAGE	ADDITIONAL INFORMATION
	171020ZDEC99	
	NAWC PT MUGU/313100E AWARS SLITS DATA	MSL REPAIR/TEST STATUS
	25AUG00	
	NAWC PT MUGU/313100E AWARS SLITS DATA	MSLS STORAGE STATUS
	30AUG01	



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION : USS LEYTE GULF CODR V21388-99-0001 20OCT99 OPEN  
(CG-55)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085218			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085218			

**DESCRIPTION:**

201610ZOCT99: USS Leyte Gulf (CG-55) reported that on 22 February 1999, HARPOON missile S/N 085218 at cell number eight, and while performing routine missile maintenance, water was found in the missile's canister. Missile maintenance was performed in accordance with Maintenance Requirements Card 7211/009 R-15M. Missile was off loaded at AOC Yorktown on 26 February 1999. (Note, Deficiency report submitted upon request. NAWC Pt Mugu 120029ZAPR99 refers.)

**ACTION TAKEN:**

220129ZOCT99: NAWC Pt. Mugu requested AOC Yorktown to conduct missile S/N 085218 damage assessment and submit results of findings.

30NOV00: AWARS database SLITS, is showing missile S/N 085218 at AOC Yorktown in condition code "J".

28FEB01: AWARS database SLITS, still showing missile S/N 085218 at AOC Yorktown in condition code "J".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 085218		CANCELED 28FEB01
		YORKTOWN/323000E	DEFICIENCY ANALYSIS		
		NAWC PT MUGU/313100E	MONITOR MSL 085218	28NOV01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE 120029ZAPR99	CODR REQUEST
	USS LEYTE GULF (CG-55) MESSAGE 201610ZOCT99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 220129ZOCT99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS SLITS 30NOV00	MISSILE STATUS
	NAWC PT MUGU/313100E AWARS SLITS 28FEB01	MISSILE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION : USS GETTYSBURG CODR V21624-99-0001 13AUG99 OPEN  
(CG-64)**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0263, 002396, 065697, 300157, 300352, 085813, L1509, 002396, L1509, 001987, 065697, 085813			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0263, 077199, 077267, 065093, 025013, 097155, 077103, 030249, 020280, GQN-0287, GQN-0250, 020102			
<b>END ITEM :</b>				
<b>FAILED PART:</b>				

**DESCRIPTION:**

131845ZAUG99: USS Gettysburg (CG-64) reported that on 22 June 1999, eight PE25, HARPOON canister missiles were being prepared for post deployment off load. During inspection, serial numbers L0263, L1509, 001987, 002396, 065697, 085813, 300157 and 300352 displayed signs of canister surface corrosion. Missiles serial number 300157 was crossdecked from USS Cole on 6 October 1998 and the others were crossdecked from USS Vicksburg. (Note. missile deficiency submitted upon the request, NAWC Pt. Mugu 290329ZJUL99 refers.)

**ACTION TAKEN:**

170429ZAUG99: NAWC Pt. Mugu acknowledged receipt of reported deficiency. Requested AOC Yorktown to conduct a corrosion/damage assessment of missiles, S/Ns 001987, 002396, 065697, 085813, 300157, 300352, L0263 and L1509, once they have been inducted.

080329ZSEP99: NAWC Pt. Mugu informed USS Gettysburg and AOC Yorktown of AWCAP number change. Requested all related documents reflect this change.

30NOV99: In review of AWARS database the following was presented in regards to faulty missile S/N 001987. This maintenance data sheet was initiated on 27 October 1999. On 27 October 1999, missile incoming visual inspection was conducted at which time missile canister S/N GQN-0287 was rejected due to excessive corrosion. Canister was placed in storage pending repairs. On 28 October 1999, missile S/N 001987 passed incoming test with no failure identified. On 02 November 1999, missile S/N 001987 was returned to ready-for-issue status.

12DEC99: AWARS database provided the following maintenance data regarding faulty missile S/N 002396. This maintenance data sheet was

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434****(Continued)**

initiated on 02 November 1999. On 02 November 1999, during incoming visual inspection of missile S/N 002396, it was advised that canister S/N GQN-0291 was rejected for excessive corrosion. Booster S/N GQN-0522 also was removed for corrosion found around the electromagnetic interface shield and igniter unit. Missile failed incoming test the below test parameters:

- 5335 - Receiver Sensitivity, STC, Search Pattern & False Alarm
- 5345 - Seeker Direction Finding
- 5360 - Seeker Mode 1
- 5370 - RF Attenuation and Mission Profiles

With missile failing these parameters a faulty guide was suspected. Therefore, guidance section S/N 077199 was removed. With replacement guide S/N 097322 installed, on 04 November 1999, missile was retest and failed the following:

- 5820 - Missile Sequence Part 2
- 05 - BSTR SEP No. 2 (PRP) - PCode 8035

On 29 November 1999, due to missile failing the 04 November retest, which indicated a faulty sustainer. With these results displayed, sustainer section S/N 030249 was removed. On 01 December 1999, faulty sustainer S/N 030249 was installed onto failed missile body S/N L1307 for shipment depot. On 09 December 1999, faulty guidance section S/N 077199 was installed onto failed missile body S/N 002478 for depot shipment. Guide is scheduled for DEMIL per HARPOON PMA.

10JAN00: AWARS maintenance data sheet in reference to the "I" level induction of fleet returned missile S/N 085813 was initiated on 22 November 1999. Excessive corrosion was found missile canister. Due to amount of corrosion the missile was rejected. Canister S/N 020102 was removed and placed in storage pending repairs. Missile incoming test was conducted on 29 November 1999. Test resulted in missile failing the following test modules:

- 5320 - Seeker Transmitter Characteristics
- 5330 - Seeker Static Range Accuracy and Range Search
- 5335 - Seeker Sensitivity, STC, Search Pattern & False Alarm
- 5340 - Seeker Direction Finding
- 5345 - Seeker Range Rate/Static Angle & Angle LOS Rate
- 5355 - Reacquisition

Failed parameters suggest guidance section S/N 097155 to be faulty. Guide was removed. Later, on 30 November 1999, removed guidance section S/N 097155 failed the below listed section-level-test parameters:

- 6820 - Transmitter Characteristics
- 6835 - RCVR Sens, STC, Search Pattern & False Alarm
- 6840 - Direction Finding
- 6845 - Range Rate/Static Angle & Angle LOS Rate

On 09 December 1999, faulty guidance section S/N 097155 was installed onto Harpoon Missile Body S/N L0855 for shipment to depot. Per NAVAIR PMA faulty guide is scheduled for DEMIL.

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434****(Continued)**

15JAN00: Upon the review of the HARPOON AWARS database in reference to missile S/N 065697, a maintenance data sheet was initiated on 22 November 1999. On 22 November 1999, a missile incoming visual inspection was conducted. Excessive corrosion was found on Canister S/N GQN-0250. Rejected canister was removed and placed in storage pending repairs. Missile booster S/N GQN-0996 required compliance with AWB-239. On 29 November 1999, missile failed the below listed incoming test parameters:

- 5210 - Missile Power-Up
- 5320 - Transmitter Characteristics
- 5330 - Static Range Accuracy and Range Search
- 5335 - Receiver Sensitivity, STC, Search Pattern & False Alarm
- 5340 - Direction Finding
- 5345 - Range Rate/Static Angle and Angle Rate

These fail codes identify guidance section S/N 077267 as cause of failed all-up-round test. The guided was removed. On 30 November 1999, after guidance section S/N 077267 removed on 29 November, the maintenance data sheet states that guide passed section-level-test. No fail code parameters provided. On 09 December 1999, defective guide S/N 077267 was assembled onto failed missile body S/N 065164 for transport to depot per NAVAIR direction and demilitarization.

30MAR00: HARPOON AWARS database provides the following maintenance data regarding corroded missile S/N 300157: During incoming visual inspection of 03 April 2000, missile log book identified canister to be corroded. Upon conclusion of inspection corrosion was in evidence. Canister S/N 020046 was removed and held for station repairs. Missile S/N 300157 incoming test was performed on 03 April 2000, at which time the HARPOON Missile Body failed the below listed test parameters: 5320 - Transmitter Characteristics, fail code listed above identifies guidance section faulty. Therefore, guide S/N 065093 was removed and will be shipped to depot for further tests.

30NOV00: HARPOON AWARS database provided the following maintenance data regarding incoming inspection and test of missile S/N 300352. A maintenance data sheet for this missile was initiated on 3 April 2000. Incoming visual inspection identified corrosion on canister S/N 020065. On 3 April 2000 missile failed the incoming test with the below listed failure codes being identified:

- 5320 - Transmitter Characteristics
- 5330 - Static Range Accuracy and Range Search
- 5335 - Receiver SENS, STC, Search Pattern and False Alarm
- 5340 - Direction Finding
- 5345 - Range Rate/Static Angle and Angle LOS Rate
- 5360 - Mode 1
- 5370 - RF Attenuation and Mission Profiles
- 5375 - Seeker Mode 2

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

Failure of these codes indicate guidance section S/N 025013 to be faulty. Section was removed from missile. On 6 April 2000 faulty guide tested and failed the following parameters:

6820 - Transmitter Characteristics

6845 - Range Rate/Static Angle and Angle Los Rate

On 18 April 2000, defective guide S/N 025013 was installed on faulty missile body S/N 001809. Defective missile was built up by using failed section scheduled for demilitarization.

20DEC00: HARPOON AWARS database show a maintenance data sheet for defective missile S/N L0263, which was initiated on 3 April 2000. Also on this date missile was inducted for incoming inspection and test. Canister was found to be corroded. It was removed for repairs. Missile passed the all-up-round test. With a replacement canister installed, on 04 April 2000, missile was returned to ready for issue status.

30DEC00: HARPOON AWARS database is showing a maintenance data sheet for fleet returned missile S/N L1509. It advises that on 28 October 1999 missile was inducted for inspection and test. Excessive corrosion was found on the missile canister. Canister S/N GQN-0029 was removed for repairs. Missile incoming test was performed and missile failed 5210 (Missile Power UP), measurement 7 (Seeker Transmitter Power Discrete) and block three parameters. On 1 November 2000, guidance section S/N 077103 was removed from the failed missile. With a replacement guidance (S/N 097346) installed, missile was retested and failed. This time missile failed parameters 6010 (Control Actuator Test Part 1), 6020 (Control Actuator Test Part 2) and 9810 (Unit Under Test Power Down). Fail codes are indicative to the failure of the control and guidance sections. Newly replaced guide and control section S/N 020280 were replaced. On 10 November 1999, with the failed sections replaced, missile was retest and this time with no failures identified. Missile was returned to ready for issue status on 17 November 1999.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	REVIEW MSL 001987		COMPLETE 29NOV99
			AWARS DATA		
		NAWC PT MUGU/313100E	PROVIDE MSL 065697		COMPLETE 30DEC99
			AURT RESULTS		
		NAWC PT MUGU/313100E	REVIEW MSL 085813		COMPLETE 10JAN00
			AWARS DATA		
		NAWC PT MUGU/313100E	MONITOR G/S 077103	05DEC01	OPEN
			STATUS		
		NAWC PT MUGU/313100E	MONITOR C/S 020280	05DEC01	OPEN
			STATUS		
		NAWC PT MUGU/313100E	MONITOR G/S 025013	05DEC01	OPEN
			STATUS		

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**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR G/S 065093	05DEC01	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	CODR REQUEST
	290329ZJUL99	
	USS GETTYSBURG (CG-64) MESSAGE	PROBLEM REPORT
	131845ZAUG99	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	170429ZAUG99	
	NAWC PT MUGU/313100E MESSAGE	AWCAP NUMBER CORRECTION
	080329ZSEP99	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL S/N 001987 TEST
	30NOV99	RESULTS/CND
	NAWC PT MUGU/313100E AWARS DATABASE	MSL S/N 002396 TEST RESULTS
	12DEC99	
	NAWC PT MUGU/313100E AWARS DATABASE	MAINTENANCE DATA SHEET INFO
	10JAN00	
	NAWC PT MUGU/313100E AWARS DATABASE	MAINTENANCE DATA SHEET INFO
	15JAN00	
	NAWC PT MUGU/313100E AWARS DATABASE	MAINTENANCE DATA SHEET INFO
	30MAR00	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL TEST DATA
	30NOV00	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL TEST DATA
	20DEC00	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL TEST DATA
	30DEC00	

<b>ACTION :</b>	<b>USS STOUT (DDG-55)</b>	<b>CODR</b>	<b>V21685-99-0002</b>	<b>13AUG99</b>	<b>OPEN</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001928			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001928			

**DESCRIPTION:**

131610ZAUG99: USS Stout (DDG-55) reported that while dock side at AOC Yorktown, missile S/N 001928 failed presentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N 001928 as the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

30DEC99: The HARPOON AWARS database provided following maintenance actions regarding fleet returned missile S/N 001928. Data sheet was initiated on 08 September 1999. During missile incoming visual inspection and review of missile log book, it was concluded that this missile was rejected for corrosion. Excessive corrosion was found on the exterior of canister S/N 040061. It was removed for repairs. Upon completion of Missile Subsystem Test Set incoming all-up-round test missile S/N 001928 had failed the below listed test:

5345 - Range Rate/Static Angle & Angle LOS Rate  
- 19 - (See Volume II)

The failure code identified a faulty guidance section. Therefore, guidance section S/N 055280 was removed for section-level-test.

30NOV00: According to AWARS data guidance S/N 055280 section level test was performed on 13 September 1999, and it failed test parameter 6820ml0. Guidance scheduled to be shipped to depot for further tests.

09APR01: AWARS inventory SLITS record still showing defective guidance section S/N 055280 at AOC Yorktown and in storage awaiting shipment to depot or deep storage.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 001928		COMPLETE 30DEC99
		YORKTOWN/323000E	INSPECTION		
		NAWC DET	MONITOR G/S 055280 SLT		COMPLETE 30NOV00
		YORKTOWN/323000E			
		NAWC PT MUGU/313100E	MONITOR GUIDE 055280	06DEC01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS STOUT (DDG-55) MESSAGE 131610ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	170529ZAUG99	
	NAWC PT MUGU/313100E AWARS DATABASE	MISSILE AURT AND INSPECTION
	30DEC99	RESULTS
	NAWC PT MUGU/313100E AWARS 30NOV00	GUIDE SLT INFO
	NAWC PT MUGU/313100E AWARS 09APR01	GUIDE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION : USS STOUT (DDG-55) CODR V21685-99-0003 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065020			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065020			

**DESCRIPTION:**

131612ZAUG99: USS Stout (DDG-55) reported that while dock side at AOC Yorktown, missile S/N 065020 failed pre-sentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N 065020 as the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

25AUG00: AWARS records are showing missile S/N 065020 being at AOC Yorktown in condition code "J". No details provided.

30MAY01: AWARS SLITS data display is still showing missile S/N 065020 to in storage at AOC Yorktown and remains in condition code "J". No other details available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 25AUG00
		YORKTOWN/323000E	065020 INSPECTION		
		NAWC DET	MONITOR MSL 065020		COMPLETE 30MAY01
		YORKTOWN/323000E	TEST		
		NAWC PT MUGU/313100E	MONITOR MSL 065029	09DEC01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS STOUT (DDG-55) MESSAGE 131612ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS/SLITS 25AUG00	MSL TEST STATUS
	NAWC PT MUGU/313100E AWARS/SLITS 30MAY01	MSL STATUS



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION : USS STOUT (DDG-55) CODR V21685-99-0004 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085553			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085553			

**DESCRIPTION:**

131614ZAUG99: USS Stout (DDG-55) reported that while dock side at AOC Yorktown, missile S/N 085553 failed pre-sentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N 085553 at the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

25AUG00: In reviewing maintenance data regarding fleet returned missile S/N 085553 the following information was be provided. Missile received at AOC Yorktown on 29 July 1999. Also, NAWC Det Yorktown had notified NAWC Pt. Mugu that missile was tested at Yorktown and failed. Guidance section S/N 097149 found to be cause of reported failure. Note, NAWC Det Yorktown report of 01 November 1999 refers.

30NOV00: Upon reviewing AWARS maintenance data, it was concluded that missile S/N 085553 had been inducted on 13 September 1999, at which time it failed the incoming test. First, during incoming visual inspection, canister S/N GQN-0093 was found to have excessive corrosion and it was removed from the weapon. Missile incoming test was performed and it failed 5360 test module and measurement 3 test parameter. Results of the test identified guidance section S/N 097149 as being faulty. Guidance section level test was performed and it passed with no failures noted. However, on 23 September 1999, guidance section S/N 097149 was installed into another missile (S/N L0936). But, on 24 September 1999, during missile all up round test, the missile failed 5210m17 and 20, 5310m27 and 5320. The fail codes identify guidance section as cause of missile failure. Guidance section S/N 097149 was removed. Guide currently in storage at AOC Yorktown pending receipt of disposition instruction.

30MAY01: AWARS and all records are showing defective guidance

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

section S/N 097149 still in storage in condition code "F" at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL S/N 085553 INSPECTION		COMPLETE 25AUG00
	NAWC PT MUGU/313100E	FOLLOWUP MSL 085553 TEST RESULT		COMPLETE 30NOV00
	NAWC PT MUGU/313100E	MONITOR G/S 097149 STATUS	14DEC01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS STOUT (DDG-55) MESSAGE 131614ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWCAP RPT/COMMENT 25AUG00	MSL FAILED
	NAWC PT MUGU/313100E AWARS MDS DATA 30NOV00	MSL AURT RESULTS
	NAWC PT MUGU/313100E AWARS DATA 23MAY01	GUIDANCE STATUS

**ACTION : USS STOUT (DDG-55) CODR V21685-99-0005 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085589			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085589			

**DESCRIPTION:**

131616ZAUG99: USS Stout (DDG-55) reported that while dock side at AOC Yorktown, missile S/N 085589 failed presentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N 085589 at the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

25OCT99: In reference to NAWC Det Yorktown's September 1999 AWCAP status report, AOC Yorktown came in receipt of missile S/N 085589 on 29 July 1999. It was received in condition code "J". Also, the report stated that guide section S/N 097053 was found to be faulty.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

It also failed due corrosion. Missile all-up-round test information is forthcoming.

25AUG00: Further review of missile I level testing of missile S/N 085589, it was concluded that it had failed test parameters block number three and 9810. As stated above, guidance section S/N 097053 was removed due to it being found as cause of missile failure.

30NOV00: AWARS maintenance data is showing information stating that missile S/N 085589 had been inducted on 14 September 1999. During incoming inspection excessive corrosion was found on canister S/N GQN-0217. Canister was removed. Missile incoming test was performed and failed block three and 9810 test modules. Fail codes identify guidance section S/N 097053 as cause of missile failure. Section was removed and placed in storage.

30MAY01: AWARS and all of records still showing defective guidance section S/N 097053 remains in storage at AOC Yorktown.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 085589		COMPLETE 25NOV99
		YORKTOWN/323000E	INSPECTION		
		NAWC DET	MONITOR G/S 097053		COMPLETE 30NOV00
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	GUIDE 097053 STATUS	14DEC01	OPEN
			FOLLOWUP		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS STOUT (DDG-55) MESSAGE 131616ZAUG99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
		NAWC DET YORKTOWN/323000E AWCAP	MSL STATUS
		SSTATUS REPORT 25OCT99	
		NAWC PT MUGU/313100E AWARS DATABASE 25AUG00	GUIDE STATUS
		NAWC PT MUGU/313100E AWARS 30NOV00	AURT RESULTS
		NAWC PT MUGU/313100E AWARS 30MAY01	GUIDE STATUS

<b>ACTION</b>	<b>:</b>	<b>USS STOUT (DDG-55)</b>	<b>CODR</b>	<b>V21685-99-0006</b>	<b>13AUG99</b>	<b>OPEN</b>
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<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 300304			
<b>FAILED PART:</b>		1657AS0505-5	1420	01-269-6469	
		<b>NOMEN:</b> GUIDANCE SECTION, GM			
		<b>S/N:</b> 033077			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**DESCRIPTION:**

131618ZAUG99: USS Stout (DDG-55) reported that while pier side at DOC Yorktown, missile S/N 300304 failed presentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N 300304 at the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

25AUG00: NAWC Pt. Mugu in reviewing AWARS database has determined that HARPOON fleet returned missile S/N 300304 had been inducted at AOC Yorktown and processed. Missile maintenance data sheet for missile had been initiated on 08 September 1999. During missile visual inspection corrosion found on canister S/N GQN-0053. The canister was removed for repairs. Booster motor S/N GQN-0870 required compliance with AWB-239. Missile failed incoming all-up-round tests: 5345ml9. Fail code indicative to a faulty guidance unit. Guidance S/N 035077 was found to be cause of fleet failure, therefore, it was removed for section level test and shipment to depot, if warranted. On 13 September 1999, guide did failed section level test. Defective guide still at Yorktown awaiting shipment to depot for further test and repairs.

26DEC00: Review of AWARS database SLITS information is showing faulty guidance section S/N 035077 still at AOC Yorktown in condition code "F" as of 26 September 2000. Guidance failed test parameter 6810ml0 during the section level test. Test was performed on 13 September 1999. No other details available.

09APR01: AWARS still showing defective guidance section S/N 097053 to be at AOC Yorktown in condition code "F". No details available.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	MONITOR MSL 300304		COMPLETE 25AUG00
		YORKTOWN/323000E	TEST		
		NAWC DET	MONITOR GUIDE 035077		COMPLETE 26DEC00
		YORKTOWN/323000E	DOP SHIPMENT		
		NAWC DET	PROVIDE GUIDE 035077		COMPLETE 09APR01
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	MONITOR GUIDE 035077	06DEC01	OPEN
			STATUS		

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS STOUT (DDG-55) MESSAGE 131618ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS MDS 25AUG00	MSL AND SECTION TEST STATUS
	NAWC PT MUGU/313100E AWARS SLITS DATA 26DEC00	FAULTY GUIDE AT YORKTOWN
	NAWC PT MUGU/313100E AWARS 09APR01	GUIDE STATUS

**ACTION : USS STOUT (DDG-55) CODR V21685-99-0007 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0030			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0030			

**DESCRIPTION:**

131620ZAUG99: USS Stout (DDG-55) reported that while pier side at DOC Yorktown, missile S/N L0030 failed presentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt CODR. Requested AOC Yorktown to induct missile S/N L0030 at the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

25AUG00: In reviewing all HARPOON maintenance databases, NARC Pt. Mugu provides the following in reference fleet returned missile S/M L0030. According to NAWC Det Yorktown, AOC Yorktown came in receipt of missile on 29 July 1999 and inducted on 14 September 1999. AWARS maintenance data sheet states that missile canister S/N GQN-0266 was rejected for corrosion and Booster S/N GQN-171 required compliance with AWB-239. Missile failed block number 3 all-up-round parameters. Guidance section S/N 097303 found to be cause of missile failure and had to be removed. Guide remains at AOC Yorktown in condition code "F", and awaiting shipment to depot.

30MAY001: AWARS and all records are showing defective guidance section 097303 to be in receipt at AOC Yorktown in condition code "F". On other details provided.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR GUIDE 097303		CANCELED
	NAWC DET YORKTOWN/323000E	DOP SHIP STATUS		
	NAWC PT MUGU/313100E	MONITOR MSL L0030		COMPLETE 25AUG00
	NAWC PT MUGU/313100E	RECEIPT TEST		
	NAWC PT MUGU/313100E	MONITOR GUIDE 097303	14DEC01	OPEN
		STATUS		

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS STOUT (DDG-55) MESSAGE 131620ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
	NAWC PT MUGU/313100E AWARS DATABASE 25AUG00	MSL TEST RESULTS
	NAWC PT MUGU/313100E AWARS 30MAY01	GUIDE STATUS

**ACTION : USS STOUT (DDG-55) CODR V21685-99-0008 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0766			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L0766			

**DESCRIPTION:**

131622ZAUG99: USS Stout (DDG-55) reported that while dock side at AOC Yorktown, missile S/N L0766 failed pre-sentencing inspection. Failure was due to evidence of excessive corrosion. Ship suspect corrosion was due to missile long exposure to inclement weather. Asset was downgraded to condition code "J".

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N L0766 at the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

25DEC99: NAWC Det Yorktown had notified NAWC Pt, Mugu that missile S/M L0766 had been received ay AOC Yorktown and failed incoming test. Guidance section S/N 087112 found to be cause of missile failure. Also, missile displayed evidence of corrosion.

25AUG00: NAWC Det Yorktown status report of 07 June 2000, is showing defective guide still at AOC Yorktown.

30NOV00: AWARS maintenance data advises that failed missile S/N

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

L0766 was inducted for test on 08 September 1999. Test results states that missile failed test parameters 5335, 5340, 5369, 5370 and 5375. These failures identify guidance section S/N 087112 as cause of missile failure. Guidance section was replaced on 24 September 1999 and missile was returned to ready for issue status. Guide also failed section level test parameters 6835, 6860 and 6870. Defective guide was placed in storage.

30MAY01: AWARS and other records are showing that defective guidance section S/N 087112 still in receipt at AOC Yorktown in condition code "F".

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL L0766 TEST		COMPLETE 25DEC99
	NAWC DET YORKTOWN/323000E	MONITOR GUIDE 087112 TEST RESULTS		COMPLETE 30MAY01
	NAWC PT MUGU/313100E	PROVIDE GUIDE 087112 STATUS	14DEC01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS STOUT (DDG-55) MESSAGE 131622ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E PHONCON 25DEC99	MSL TEST RESULTS
	NAWC DET YORKTOWN/323000E STATUS REPORT 25AUG00	DEFECTIVE GUIDE STATUS
	NAWC PT MUGU/313100E AWARS 30NOV00	AURT INFO
	NAWC PT MUGU/313100E AWARS 30MAY01	GUIDE STATUS

**ACTION : USS STOUT (DDG-55) CODR V21685-99-0009 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1325			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> L1325			

**DESCRIPTION:**

131624ZAUG99: USS Stout (DDG-55) reported that prior to missile off-load, missile sentencing inspection was conducted and missile S/N L1325 revealed evidence of excessive corrosion. Ship's crew suspected corrosion was due to missile being exposed to inclement weather. Missile was reclassified to condition code "J".

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

**ACTION TAKEN:**

170529ZAUG99: NAWC Pt. Mugu acknowledged receipt of CODR. Requested AOC Yorktown to induct missile S/N L1325 as the earliest opportunity. Upon induction conduct corrosion analysis and damage assessment of the reported deficiency.

30DEC99: HARPOON AWARS maintenance data systems data sheet regarding maintenance actions against fleet returned missile S/N L1325 was initiated on 15 September 1999. Incoming visual was conducted, Missile canister S/N GQN-0192 displayed signs of excessive corrosion. Unit was removed and placed in the repair cycle. Incoming test performed on 22 September 1999. Missile failed the following:

5340 - Direction Finding  
- 2 -1 Degree Average AZ Slope - PCode 3181  
5345 - Range Rate/Static Angle & Angle line of Sight Rate  
-19 - See Volume II - PCode 3230  
5360 - Mode 1

30JUN00: NAWC Pt. Mugu CAIMS/SLITS inventory report of 07 June 2000, is showing defective guide S/N 035202 still in condition code F at AOC Yorktown.

30NOV00: AWARS data is showing that guidance section S/N 035202 had failed section level test parameters 6820, 6835 and 6845 on 30 September 1999. Guide remains in storage at AOC Yorktown pending receipt of disposition instructions.

30MAY01: AWARS and all other records are showing that defective guide S/N 035202 remains in receipt at AOC Yorktown an in condition code "F".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL L1325		COMPLETE 30DEC99
		YORKTOWN/323000E	INSPECTION		
		NAWC DET	NONITOR GUIDE 035202		COMPLETE 30MAY01
		YORKTOWN/323000E	SHIPMENT		
		NAWC PT MUGU/313100E	MONITOR GUIDE STATUS	14DEC01	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS STOUT (DDG-55) MESSAGE 131624ZAUG99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 170529ZAUG99	INTERIM RESPONSE
		NAWC PT MUGU/313100E AWARS MDS SHEET 30DEC99	MSL AURT RESULTS
		NAWC PT MUGU/313100E AWARS CAIMS/SLITS 30JUN00	FAILED GUIDANCE STATUS



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**PROBLEM NO: 15434**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b> NAWC PT MUGU/313100E AWARS 30NOV00 NAWC PT MUGU/313100E AWARS 30MAY01	<b>REFERENCE BRIEF</b> AURT INFO GUIDE STATUS
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**ACTION : USS THORN (DD-988) CODR V20835-99-0001 13AUG99 OPEN**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001639, 002339, 002389, L0773, L1322			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 001639, 002339, 002389, L0773, L1322			

**DESCRIPTION:**

131106ZAUG99: USS Thorn (DD-988) reported on 08 July 1999 during weapons on load at NS Portsmouth, VA., five HARPOON missiles, S/Ns L0773, L1322, 001639, 002339 and 002389 were found corroded. Corrosion likely resulted from continuous weather deck exposure during six month winter Mediterranean and Adriatic deployments. Winter bora winds in the Adriatic frequently are in the 30-50 mph range. (Note, Missile deficiency submitted upon the request of NAWC Pt. Mugu. NAWC Pt. Mugu 300529ZJUL99 refers.)

**ACTION TAKEN:**

160729ZAUG99: NAWC Pt. Mugu acknowledged receipt of reported CODR. Requested NSWC Port Hueneme to ensure that USS Thorn is receipt of the latest Maintenance Requirements Card procedures regarding missile maintenance operations aboard ship.

30DEC99: NAWC Det Yorktown status report of 02 December 1999 stated that missile S/Ns 002339 and 001639 was received at AOC Yorktown on 12 July 1999. Both currently in storage awaiting maintenance induction.

30JUN00: AWARS maintenance data sheet regarding fleet returned missile S/N L0773 was initiated on 12 April 2000. Incoming visual was conducted. Excessive corrosion was found on canister S/N GQN-0280 and therefore, it was removed. Missile incoming test was conducted on 17 April 2000, and it failed parameter -5195 (Safe & Arm Probe and Fuze Test). Failure identified a bad warhead with a fuze deficiency. Missile was disassembled. Guidance section S/N 087268 failed section level test parameters:  
6820 - Transmitter Characteristics  
6835 - Receiver Sensitivity, STC., Search Pattern & False Alarm  
6860 - Mode 1  
6885 - Seeker/TM Interface  
Guidance section currently at AOC Yorktown, but, will be shipped to

**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434****(Continued)**

depot for further test and repairs.

01JUL00: AWARS maintenance data system data sheet regarding fleet returned missile S/N 002389 was initiated on 13 April 2000. Visual inspection conducted on 13 April 2000. Excessive corrosion was found on missile canister S/N GQN-0270. It was removed for repairs. On 17 April 2000, booster section S/N 020236 was removed for compliance with AWB-239. Incoming test resulted in missile failing modules:

5310 - Missile Power-Up

- 25 - Seeker PS Baseplate Temperature - PCode 2068

5320 - Transmitter Characteristics

5330 - Static Range Accuracy and Range Search

5335 - Receiver Sensitivity, STC, Search Pattern and False Alarm

Fail codes identified guidance section S/N 107129 the faulty unit, therefore, it was removed from the missile. On 24 April 2000, guide failed section level test parameters:

6810 - Seeker Static and Boresight

6820 - Transmitter Characteristics

6835 - Receiver Sensitivity STC., Search Pattern & False Alarm

6840 - Direction Finding

6845 - Range Rate/Static Angle & Angle Line of Sight Rate

6860 - Mode 1

6870 - RF Attenuation & Mission Profiles

6885 - Seeker/TM Interface

Guide still at AOC Yorktown in condition code "F", but , will be shipped to depot. On 19 April 2000, missile with replacement guidance section installed, it was returned condition code "A", ready-for-issue status.

30NOV00: AWARS data is showing defective guidance sections, S/Ns 107129 and 087268 still in storage at AOC Yorktown in condition code "F". No details available.

30MAY01: AWARS data is showing information stating that HARPOON missiles, S/Ns 002339 and L1322, in condition code "J" and both are in storage at AOC Yorktown. No details available.

06SEP01: AWARS data is showing information stating that an all up round incoming test was performed on HARPOON missile S/N 001639 on 05 September 2001. According to the maintenance data sheet, which was initiated on this date, the missile had passed a requested reverse process test. Canister S/N 060021 was removed due to excessive corrosion. Canister will be repaired at AOC Yorktown. During incoming test missile failed test parameters 5370, 5375, and 5377. These fail codes identify guidance section as cause of missile failure. Details regarding the guide was not available.

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**PROBLEM NO: 15434**

**(Continued)**

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N L0773		CANCELED 30JUN00
		YORKTOWN/323000E	INSP/TEST		
		NAWC DET	MONITOR MSL L1322		CANCELED 30NOV00
		YORKTOWN/323000E	INDUCTION		
		NAWC DET	MONITOR GUIDE S/N		COMPLETE 30NOV00
		YORKTOWN/323000E	087268 STATUS		
		NAWC PT MUGU/313100E	MONITOR GUIDANCE	28NOV01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	CODR REQUEST
	300529ZJUL99	
	USS THORN (DD-988) MESSAGE 131106ZAUG99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	160729ZAUG99	
	NAWC DET YORKTOWN/323000E STATUS	MSL RECEIPT INFO
	REPORT 30DEC99	
	NAWC PT MUGU/313100E AWARS 30JUN00	MSL AURT INFO
	NAWC PT MUGU/313100E AWARS 01JUL00	MSL MSTs AURT INFO
	NAWC PT MUGU/313100E AWARS 30NOV00	STATUS OF GUIDE SECT
	NAWC PT MUGU/313100E AWARS 30MAY01	MSL STATUS
	NAWC PT MUGU/313100E AWARS MDS SHEET	MSL TEST INFO
	06SEP01	

<b>ACTION</b>	<b>:</b>	<b>USS KAUFFMAN</b>	<b>CODR</b>	<b>V21390-99-0001</b>	<b>05FEB99 OPEN</b>
		<b>(FFG-59)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L0853			
<b>FAILED PART:</b>	1657AS0400-30	1410	01-263-2912	PE14
	<b>NOMEN:</b> TARTAR SURF ATCK AUR GM			
	<b>S/N:</b> L0853			

**DESCRIPTION:**

052314ZFEB99: USS Kauffman (FFG-59) reported that on 8 October 1998, pier side AOC Yorktown, RGM-84D-2, PE14 TARTAR missile S/N L0853 failed a missile sentencing inspection. Excessive corrosion was found on crush sensor probe access screws, warhead and sustainer section interface screws and on firing buttons. Cause for the discovered corrosion was unknown. Missiles were inspected in accordance with Maintenance Requirements Card R-2M (April, June and August 1998) thought out the deployment. During performance of Maintenance Requirements Card R-5S (inspect, clean and preserve missiles) corrosion was not noticed. Missile magazine was in outstanding condition. No way to determine cause of missile

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**HARPOON ACTIVE  
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**PROBLEM NO: 15434**

**(Continued)**

deterioration. (Note, AOC Yorktown had taken receipt of missile back on October 12th, 1998. Missile deficiency report was submitted upon request. NAWC Pt. Mugu 190029ZJAN99 refers.)

**ACTION TAKEN:**

090129ZFEB99: NAWC Pt. Mugu acknowledges receipt of reported deficiency report. Since missile S/N L0853 was in receipt at AOC Yorktown prior to deficiency being reported, it was requested that missile be processed as an AWCAP fleet returned asset.

01JUL99: Missile remains at AOC Yorktown in condition code "E" awaiting to be inducted for inspection and test.

24FEB00: Review of AWARS database, a maintenance data sheet has been entered depicting maintenance actions taken place against fleet returned HARPOON missile L0853. As stated previously, Yorktown took receipt of missile on 12 October 1998. This was prior to reporting activity submitting the required deficiency report. Review of data sheet provided the following maintenance events. On 21 December 1999 a review of missile log book it can be concluded that missile was returned due to excessive corrosion. Upon completion of all-up-round incoming test, missile had failed test parameter: 5195 - S&A Probe and Fuze Test. On 22 December 1999 due to excessive corrosion, TARTAR launch kit S/N 970261 was removed. Missile guidance section S/N 025190 was removed and held for buildup. There's no indication guide is faulty. A faulty guidance section (S/N 055283) was installed on corroded missile body S/N L0853. On 03 January 2000, missile body S/N L0853 was placed in storage pending receipt of NAVAIR PMA DEMIL instructions.

30DEC00: As was previously stated, missile guidance section S/N 025190 was removed from missile S/N L0853 on 22 December 1999. According to maintenance data sheet, guidance section removed, but no failure codes identifying guidance section failure. On 31 January 2000, the guide was being used to build up missile S/N 065614. During test of this missile, it failed block three and ten test parameters. Guidance section was removed for causing block three missile failure. Section level test of guidance section was conducted on 03 February 2000. Guidance section 025190 passed all test parameters.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET	MONITOR MSL L0853		COMPLETE 01JUL99
		YORKTOWN/323000E	STATUS		
		NAWC DET	MSL L0853 DEMIL OPS		COMPLETE 30DEC00
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP ON MSL L0853		COMPLETE 24FEB00
			REPAIRS STATUS		

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**(Continued)**

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	MONITOR DEFICIENCY	28NOV01	OPEN
		STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	NAWC PT MUGU/313100E MESSAGE	CODR SUBMITTAL REQUEST
	190029ZJAN99	
	USS KAUFFMAN (FFG-59) MESSAGE	PROBLEM REPORT
	052314ZFEB99	
	NAWC PT MUGU/313100E MESSAGE	ACKNOWLEDGES CODR RECEIPT
	090129ZFEB99	
	NAWC DET YORKTOWN/323000E MONTHLY	MSL REMAINS AT YORKTOWN CC-E
	STATUS RPT 01JUL99	
	NAWC PT MUGU/313100E AWARS DATABASE	HMB HELD FOR DEMIL OPS
	24FEB00	
	NAWC PT MUGU/313100E AWARS MDS SHEET	GUIDE SLT RESULTS
	30DEC00	

<b>ACTION :</b>	<b>USS VINCENNES</b>	<b>CODR</b>	<b>R21295-97-0002</b>	<b>24DEC97 OPEN</b>
	<b>(CG-49)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065490			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 065490			

**DESCRIPTION:**

240400ZDEC97: USS Vincennes (CG-49) reported that PE25, RGM-84D-4 HARPOON missile S/N 065490 could not be identified by the Harpoon Weapon System due to a corroded missile cable receptacle. HARPOON Maintenance Requirements Card 4821 R-11S, missile BIT could not be performed, therefore, no fault isolation data could be obtained.

**ACTION TAKEN:**

050029ZJAN98: NAWC Pt. Mugu informed USS Vincennes that missile S/N 065490 will be shipped to NWS Yorktown for further test and evaluation.

29OCT98: Upon reviewing AWARS database, SLITS data, it was concluded that missile S/N 065490, as of 13 March 1998, still at WSF Seal Beach in condition code "J".

01NOV99: NAWC Det Yorktown status report of 01 November 1999, confirmed that missile S/N 065490 was received at NWS Yorktown on 02 November 1998.

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15434**

**(Continued)**

30DEC99: AWARS database maintenance data sheet regarding failed missile S/N 065490 provided the following maintenance actions. On 28 October 1999, the incoming inspection performed. Missile log book entry did confirmed missile had failed BIT while in the fleet. Inspection of the cables revealed corrosion on the J1 cable unit. Also, excessive corrosion was found on canister S/N GQN-0126. Canister was removed for repairs. Booster section S/N 040159 was also removed, but no deficiencies addressed. Missile incoming test was performed on 01 November 1999, at which time missile failed incoming test module numbers 5210 (Missile Power-up) and Block three parameters. Because missile failed number 5210, on 02 November 1999 guidance section S/N 087319 was removed. And according to maintenance data sheet narrative statement, fleet reported BIT was confirmed. After a number of replacements guidance were installed, but failed on retest. However, on 17 November 1999, with replacement guidance section S/N 117034 installed, missile S/N 065490 passed on the fourth retest. All-up-round was returned to ready-for-issue status.

30NOV00: Boeing Representative stationed at AOC Yorktown provided NAWC Pt. Mugu with a more detailed report of the all up round test of missile S/N 065490 which was conducted in November 1999. Missile all-up-round test could not duplicate fleet returned BIT failure as reported. However, missile failed test modules 5210m6 and m7, and massive block three modules and numerous test measurements. Failing these test parameters identifying guidance section as the failed section. The report does confirm guidance section S/N 087319 was and replaced.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE G/S 087319		COMPLETE 30NOV00
		YORKTOWN/323000E	SLT RESULTS		
		NAWC PT MUGU/313100E	MONITOR MSL S/N		COMPLETE 01DEC98
			065490 RECEIPT DATE		
		NAWC PT MUGU/313100E	MONITOR MSL 065490		COMPLETE 30DEC99
			TEST INDUCTION		
		NAWC PT MUGU/313100E	MONITOR G/S 087319	28NOV01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS VINCENNES (CG-49) MESSAGE	PROBLEM REPORT
	240400ZDEC97	
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	050029ZJAN98	
	NAWC PT MUGU/313100E AWARS SLITS DATA	MSL STILL AT SEAL BEACH
	29OCT98	
	NAWC DET YORKTOWN/323000E MONTHLY	MSL RECEIPT DATA PROVIDED
	STATUS REPORT 01NOV99	

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PROBLEM NO: 15434

(Continued)

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	NAWC PT MUGU/313100E AWARS DATABASE 30DEC99	MSL AURT RESULTS
	NAWC PT MUGU/313100E COMMENTS 30NOV00	NOV99 CETS DATA

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15659**

**OPEN**

<b>END ITEM</b>	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>:</b>	CANISTER SHK RES SURF ATCK	1657AS0302-30	1410	01-263-2928	PE25
	AUR GM				
	AIR TRNG MSL, CAPTIVE	543-174-0350	6920	01-399-5510	BWCF
	MISSILE BODY TACTICAL	642AS0643-44	1410	01-252-6187	JW49
	CANISTER SHK RES SURF ATCK	642AS0651-1	1410	01-039-2945	PA92
	AUR GM				
	CANISTER SHK RES SURF ATCK	642AS0651-16	1410	01-255-2123	PD69
	AUR GM				
	CANISTER SHK RES SURF ATCK	642AS0651-4	1410	01-138-1742	PB58
	AUR GM				
	CANISTER SHK RES SURF ATCK	642AS0651-7	1410	01-198-7063	PC05
	AUR GM				

**EI CNTRL NO:**

**PROB BRIEF :** CABLE ASSEMBLY AND ACCESSORY DAMAGES

**PROBLEM :** HARPOON Exterior Canister Missile Cables have been experiencing  
**DESCRIPTION** deterioration caused by cables being exposed to the harsh  
 environmental conditions at sea. Corrosion would form on exposed  
 connectors, causing internal damage.

**PREVENTIVE :** New molded backshell exterior canister cables and weatherproofing  
**ACTION** procedures were developed. A new canister launcher cable set (P/N  
 6317895-101) was designed and implemented. Also, the HARPOON  
 Connector Protection System was upgraded.

**CORRECTIVE :** Ships have been requested to order HARPOON Connector Protection  
**ACTION** System Shipset for molded backshell cables.

<b>OCCURRENCES:</b>	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
	USS	CODR	R21451-01-0003	05SEP01	OPEN
	CHANCELLORSVILLE				
	(CG-62)				
	USS ANTIETAM (CG-54)	CODR	R21387-97-0004	19JUN97	OPEN
	VFA-151	CODR	R09558-97-0002	21JAN97	CLOSED *
	USS COWPENS (CG-63)	CODR	R21623-96-0001	14MAR96	CLOSED *
	USS SAN JACINTO	EMR	V21389-96-0002	29FEB96	CLOSED *
	(CG-56)				
	USS NORMANDY (CG-60)	CODR	V21449-95-0010	14JUN95	CLOSED *
	USS RAY (DD-971)	CODR	R20591-93-0003	16DEC93	CLOSED *
	USS HUE CITY (CG-66)	EMR	V21656-93-0005	28OCT93	CLOSED *
	USS COWPENS (CG-63)	CODR	R21623-93-0001	03MAR93	CLOSED *
	USS JOUETT (CG-29)	CODR	R52704-92-0003	30NOV92	CLOSED *

\* ACTION REPORTED IN PREVIOUS PUBLICATION



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15659**

**(Continued)**

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
USS VALLEY FORGE (CG-50)	EMR	R21296-90-0003	13DEC90	CLOSED *
USS SCOTT (DDG-995)	EMR	V21438-90-0003	30NOV90	CLOSED *
USS BAINBRIDGE (CGN-25)	EMR	V52700-90-0001	29NOV90	CLOSED *
USS FOX (CG-33)	EMR	R52708-89-0002	09AUG89	CLOSED *
USS GATES (CG-51)	EMR	V21344-89-0003	03JUN89	CLOSED *
USS YORKTOWN (CG-48)	EMR	V21225-89-0002	20MAY89	CLOSED *
USS YORKTOWN (CG-48)	EMR	V21225-89-0001	22APR89	CLOSED *
USS MACDONOUGH (DDG-39)	EMR	V52233-89-0001	30MAR89	CLOSED *
USS VIRGINIA (CGN-38)	EMR	V20681-87-0004	11MAY87	CLOSED *
USS STUMP (DD-978)	EMR	V20604-87-0001	09MAY87	CLOSED *
USS VINCENNES (CG-49)	EMR	R21295-87-0002	06FEB87	CLOSED *
USS FARRAGUT (DDG-37)	PQDR I	V52231-86-0001	12NOV86	CLOSED *
USS LONG BEACH (CGN-9)	EMR	R03651-86-0002	08NOV86	CLOSED *
USS PEGASUS (PHM-1)	EMR	V20893-86-0002	24OCT86	CLOSED *
NWS YORKTOWN	PQDR II	N00109-86-0145	08JUL86	CLOSED *
USS KIDD (DDG-993)	EMR	V21436-86-0001	08FEB86	CLOSED *
USS AQUILA (PHM-4)	EMR	V20930-85-0001	13DEC85	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION : USS CODR R21451-01-0003 05SEP01 OPEN** |

**CHANCELLORSVILLE**

**(CG-62)**

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300242			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300242			

**DESCRIPTION:**

051120ZSEP01: USS Chancellorsville (CG-62) reported that while off loading HARPOON missiles, crew was unable to disconnect the LRA data input cable from RGM-84D-4 Grade -B canister missile S/N 300242. MIP 7211/009, A-2R procedures were being used to remove the cable. Missile, with the attached cable was returned to issuing activity at Naval Station Yokosuka Japan. The last required preventative maintenance service involving removal of cable was performed 01 February 2001 in accordance with MIP 4821, A-1R and A-2R.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15659**

**(Continued)**

**ACTION TAKEN:**

061129ZSEP01: NAWC Pt. Mugu acknowledges receipt of deficiency report regarding HARPOON canister missile S/N 300242. Requested ship's crew to requisition a replacement cable through the normal supply system. Missile to be placed in condition code "J". Missile is to be packaged and shipped to AOC Yorktown at the earliest opportunity.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC PT MUGU/313100E	MONITOR MSL 300242 RECEIPT	10DEC01	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS CHANCELLORSVILLE (CG-62) MESSAGE 051120ZSEP01	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 061129ZSEP01	INTERIM RESPONSE

<b>ACTION</b>	<b>:</b>	<b>USS ANTIETAM (CG-54) CODR</b>	<b>R21387-97-0004</b>	<b>19JUN97 OPEN</b>
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		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 300690			
<b>FAILED PART:</b>		1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 300690			

**DESCRIPTION:**

192136ZJUN97: Aboard USS Antietam (CG-54) the ship's force was conducting missile inspection and test, when it was discovered that HARPOON missile, PE25, S/N 300690 had a damage cable connector. Visual pin inspection revealed no discrepancies. High and low firing voltage checks displayed satisfactory results. Ground checks also revealed satisfactory results. Missile BIT was attempted, but could not be performed due to damaged threads on the connector body. Cable would not properly engage the connector body. Another inspection of cable/connector were conducted by FTSCPAC representatives. Connector assembly revealed evidence of excess sealant. Representative suspect salt water intrusion through the cold shrink material. (Note: USS Antietam 262156ZJUN97 corrected copy of original CODR, but no change in content.)

**ACTION TAKEN:**

020329ZJUL97: NAWC Pt. Mugu acknowledged receipt of the USS Antietam's CODR. HARPOON CFA concurred with missile S/N 300690 being off loaded 01 July 1997 at NWS Seal Beach, CA. Recommendation regarding the excess sealant will be addressed by NWS Yorktown

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15659**

**(Continued)**

production personnel. Upon receipt of missile at Yorktown an inspection for water damage and corrosion will be conducted. An all-up-round test will also be performed.

26SEP97: NAWC Det Yorktown informed Pt. Mugu that missile S/N 300690 was received at Yorktown on 19 August 1997. Missile currently awaiting induction. HARPOON AWARS database is in agreement with Det Yorktown's status report.

30OCT98: AWARS SLITS data show missile S/N 300690 still at Yorktown awaiting induction. Unit still remains in condition code "F".

30OCT99: NAWC Det Yorktown AWCAP Monthly Status Report of 1 June 1999, it was advised that damaged PE25 HARPOON missile S/N 300690 remains in condition code "F" at AOC Yorktown. Missile had not been inducted for fleet reported damage assessment.

12DEC99: NAWC Det Yorktown Status Report of 12 December 1999 advises that missile S/N 300690 still remains at Yorktown and still awaiting maintenance induction.

08JUN00: NAWC Det Yorktown Status Report of 08 June 2000 still show missile S/N 300690 at Yorktown and still awaiting maintenance induction.

30NOV00: AWARS data is still showing defective fleet returned missile S/N 300690 in storage at AOC Yorktown.

30MAR01: AWARS data is still showing defective fleet returned missile S/N 300690 in storage at AOC Yorktown.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	MONITOR MSL 300690 AURT		CANCELED 30JAN99
		NAWC DET YORKTOWN/323000E	PROVIDE MSL 300690 STATUS		COMPLETE 01JUN99
		NAWC DET YORKTOWN/323000E	PROVIDE MSL 300690 INDUCTION STATUS		COMPLETE 30MAR01
		NAWC PT MUGU/313100E	MONITOR MSL S/M 300690 RECEIPT/TEST INFO		COMPLETE 26SEP97
		NAWC PT MUGU/313100E	FOLLOWUP ON MSL 300690 STATUS		COMPLETE 02FEB99
		NAWC PT MUGU/313100E	MONITOR MSL 300690 STATUS	14DEC01	OPEN

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15659**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS ANTIETAM (CG-54) MESSAGE 192136ZJUN97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 020329ZJUL97	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS RPT 26SEP97	MSL LOCATION UPDATE
	NAWC PT MUGU/313100E AWARS SLITS DATA 30OCT98	MISSILE IN CC-F AT YORKTOWN
	NAWC DET YORKTOWN/323000E STATUS RPT 30OCT99	AWAITING MAINTENANCE INDUCTION
	NAWC DET YORKTOWN/323000E STATUS RPT 12DEC99	AWAITING MAINTENANCE INDUCTION
	NAWC DET YORKTOWN/323000E STATUS RPT 08JUN00	MSL STAILL AWAITING MAINT INDUCTION
	NAWC PT MUGU/313100E AWARS 30NOV00	MSL STATUS
	NAWC PT MUGU/313100E AWARS 30MAR01	MSL STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15896**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR SURF ATCK AUR GM	1657AS0100-52	1410	01-255-6341	PD84
	AIR EXER TRNG AUR MSL	1657AS0100-53	1410	01-255-6342	PD50
	AIR EXER TRNG AUR MSL	1657AS0100-69	1410	01-282-1265	PE41
	MISSILE BODY, TACTICAL	1657AS0500-52	1410	01-260-5336	3W99
	AIR EXER TRNG AUR MSL	642AS0117-53	1410	01-253-0263	PC50

**EI CNTRL NO:**

**PROB BRIEF :** INFLIGHT MISSILE FAILURE

**PROBLEM :** Following launch, the missile flew on a straight/level course before  
**DESCRIPTION** sustainer shut down and flight aborted.

**PREVENTIVE :** None provided.  
**ACTION**

**CORRECTIVE :** To be determined.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VP-47	CODR	R09600-01-0011	19JUL01	CLOSED
	VP-69	CODR	R09989-97-0001	11APR97	CLOSED *
	VS-24	CODR	V09629-96-0010	23NOV96	CLOSED *
	VP-69	CODR	R09989-95-0001	01FEB95	CLOSED *
	VP-9	EMR	R09644-91-0018	28AUG91	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION :** VP-47                      CODR              R09600-01-0011              19JUL01 CLOSED

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> L0555			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> L0555			

**DESCRIPTION:**

190800ZJUL01: VP-47 reports that on 17 July 2001 HARPOON PD84, RGM-84D-1, missile S/N L0555 had been load on station eleven of a P-3C aircraft without incident. Prior to it being up loaded on an aircraft, on 16 July 2001, missile passed all HARPOON system checks. On 17 July 2001 after being up loaded on aircraft preflight missile BIT was performed and missile passed with all systems "GO". The aircrew received all the correct missile indications and proceeded to do an engine on release. The missile was observed at it turned up

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15896**

**(Continued)**

to 80 percent thrust, and at this time the bomb rack release as expected. After missile was release the engine shut down, causing missile to lose altitude and thrust. Missile was destroyed on impact with water. Upon aircraft return to base all aircraft and rack indications were normal. No deficiencies noted. Using another HARPOON missile at station eleven, using same umbilical cable the HARPOON system checked 4.0 again.

**ACTION TAKEN:**

240129ZJUL01: NAWC Pt. Mugu acknowledged receipt of deficiency report regarding HARPOON missile S/N L0555. Deficiency report requires no action. It will be tracked for future occurrences. Therefore, no further action is required. This action closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	PROVIDE DR CLOSURE		COMPLETE 24JUL01

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VP-47 MESSAGE 190800ZJUL01	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE	REPLY/CLOSING
		240129ZJUL01	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15999**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-28	1410	01-263-2929	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-38	1410	01-263-2932	PE24
	CANISTER TW EXER TRNG MSL	1657AS0303-39	1410	01-264-5495	PE90

**EI CNTRL NO:**

**PROB BRIEF :** END CLOSURE DAMAGES

**PROBLEM :** Air pressure differential casued by environmental conditions  
**DESCRIPTION**

**PREVENTIVE :** Ensure proper preventative mainenance is performed on covers.  
**ACTION**

**CORRECTIVE :** Corrective action to be determined.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS PORT ROYAL (CG-73)	CODR	R21830-01-0002	30MAR01	CLOSED
	USS GETTYSBURG (CG-64)	CODR	V21624-01-0001	26MAR01	OPEN
	USS YOUNG (DD-973)	CODR	R20599-00-0001	12MAY00	OPEN
	USS STOUT (DDG-55)	CODR	V21685-95-0004	09NOV95	CLOSED *
	USS CHANCELLORSVILLE (CG-62)	EMR	R21451-95-0003	13AUG95	OPEN
	USS PRINCETON (CG-59)	CODR	R21447-93-0002	31OCT93	CLOSED *

\* ACTION REPORTED IN PREVIOUS PUBLICATION

**ACTION :** USS PORT ROYAL      CODR      R21830-01-0002      30MAR01 CLOSED  
(CG-73)

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300272			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 300272			

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15999**

**(Continued)**

**DESCRIPTION:**

300230ZMAR01: USS Port Royal (CG-73) reports that on 21 March 2001 while underway and during missile weapons inspection, the aft fly-through cover was found torn on HARPOON missile canister S/N 300272. Cause of damage not determinable.

**ACTION TAKEN:**

020029ZAPR01: NAWC Pt. Mugu informed AOC Yorktown of missile S/N 300272 end closure damage. AOC Yorktown was requested to ship one spare end closure to USS Port Royal. USS Port Royal to inform NAWC Pt Mugu of end closure receipt and installation. FTSCPAC representation to be on hand to provide support in installing end closure properly.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	NAWC PT MUGU/313100E	END COVER STATUS		COMPLETE 02APR01

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS PORT ROYAL (CG-73) MESSAGE	PROBLEM REPORT
	300230ZMAR01	
	NAWC PT MUGU/313100E MESSAGE	REPLY/CLOSING
	020029ZAPR01	

<b>ACTION :</b>	<b>USS GETTYSBURG</b>	<b>CODR</b>	<b>V21624-01-0001</b>	<b>26MAR01 OPEN</b>
	<b>(CG-64)</b>			

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085813			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
	<b>S/N:</b> 085813			

**DESCRIPTION:**

261350ZMAR01: USS Gettysburg (CG-64) reported that on 20 March 2001, while underway in the Charleston area, it was discovered that the bottom neoprene canister cover for missile S/N 085813 torn. Suspect cause of damage to be the sea state and high winds. There was no apparent damage to missile.

**ACTION TAKEN:**

270529ZMAR01: NAWC Pt. Mugu requested USS Gettysburg to have missile S/N 085813 shipped back to AOC Yorktown at the earliest opportunity. Upon receipt of canister missile at AOC Yorktown, cover and missile damage is to be assessed.

30AUG01: AWARS data is showing that on 27 April 2001, AOC Yorktown



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15999**

**(Continued)**

took receipt of detective missile S/N 085813. Missile remains in storage and in condition code "J".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 085813		COMPLETE 30AUG01
		YORKTOWN/323000E	RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 085813	16DEC01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS GETTYSBURG (CG-64) MESSAGE	PROBLEM REPORT
		261350ZMAR01	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		270529ZMAR01	
		NAWC PT MUGU/313100E AWARS 30AUG01	MSL RECEIPT STATUS

<b>ACTION</b>	<b>:</b>	<b>USS YOUNG (DD-973)</b>	<b>CODR</b>	<b>R20599-00-0001</b>	<b>12MAY00</b>	<b>OPEN</b>
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	<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
			1657AS0302-30	1410	01-263-2928	PE25
			<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
			<b>S/N:</b> 300234			
	<b>FAILED PART:</b>		1657AS0302-30	1410	01-263-2928	PE25
			<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
			<b>S/N:</b> 300234			

**DESCRIPTION:**

121959ZMAY00: USS John Young (DD-973) reported that between 24 -26 August 1999, while conducting preventive maintenance of the HARPOON missile systems nothing unusual was noted. At NWS Seal Beach CA, during post off load maintenance inspection, Grade B canister HARPOON missile S/N 300234 revealed a three inch crack in the forward end cover. Seal Beach personnel took pictures of the noted damage. Missile was placed in condition code "E". Note, Seal Beach E-mail of 26 April 2000 provided information stating that damaged missile S/N 300234 was off loaded on 25 April 2000. Seal Beach personnel identified tear to be 1/2 inches long and located on the aft end closure. Pictures provided.

**ACTION TAKEN:**

160729ZMAY00: NAWC Pt. Mugu informed USS John Young receipt of reported deficiency. It was requested that Seal Beach package missile and have it shipped to AOC Yorktown at the earliest possible opportunity. Yorktown upon receipt of missile is to conduct damage assessment and report results.

30OCT00: AWARS SLITS information showing defective missile S/N 300234 being received at AOC Yorktown on 05 September 2000.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15999**

**(Continued)**

30MAR01: NAWC Pt. Mugu reviewed AWARS data and concluded that as of 21 February 2001 damaged missile S/N 300234 was at AOC Yorktown in condition code "J". No other data available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 300234		COMPLETE 30MAR01
		YORKTOWN/323000E	RECEIPT		
		NAWC PT MUGU/313100E	MONITOR MSL 300234	14DEC01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS YOUNG (DD-973) MESSAGE 121959ZMAY00	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 160729ZMAY00	INTERIM RESPONSE
		NAWC PT MUGU/313100E AWARS 30OCT00	MSL RECEIVED
		NAWC PT MUGU/313100E AWARS 30MAR01	MSL STATUS

<b>ACTION</b>	<b>:</b>	<b>USS</b>	<b>EMR</b>	<b>R21451-95-0003</b>	<b>13AUG95 OPEN</b>
		<b>CHANCELLORSVILLE</b>			
		<b>(CG-62)</b>			

		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1657AS0302-38	1410	01-263-2932	PE24
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 085251			
<b>SUB-ASSY</b>	<b>:</b>	1657AS1300-1	1420	01-283-4741	5W60
		<b>NOMEN:</b> CANISTER, SHK RES			
		<b>S/N:</b> 030037			
<b>FAILED PART:</b>		642AS1316-3	1420	01-102-9522	
		<b>NOMEN:</b> END CLOSURE ASSEMBLY			

**DESCRIPTION:**

130806ZAUG95: During daily routine shipboard operations a crew member noticed the mylar end closures on three of the HARPOON missiles at the port launcher canister were bulging outwards. There was a two to three inch rupture noticed in the fourth cover (Cell six). It was suspected that the air pressure differential caused by environmental temperatures caused the rupture. The average weather parameters were as follows:

MAX TEMP: 94 DEG	VISIBILITY: 5 NM IN HAZE
MIN TEMP: 82 DEG	SEA STATE: 1-2 FT
REL HUMIDITY: 72	WIND DIR: NW, 310T
SKY COND: CLEAR	WIND SPEED: 10 KITS

A new cover has been requested along with an installation waiver allowing ship's force to install the replacement. This incident occurred on 13 June 1995 and was initially reported via a telephone conversation from COMNAVSURFPAC to NSWC Port Hueneme and relayed to NAWC Pt. Mugu for action.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15999**

**(Continued)**

**ACTION TAKEN:**

230129ZAUG95: NAWC Pt. Mugu has provided USS Chancellorsville with the address and point of contact to send the replacement end closure and installation instructions. It was requested that clarification of "Patch Kit for Killer" used as temporary repair of end cover. An interim investigation into the reported deficiency reveals the following information: The missile end closure skin was designed to withstand 140-150 degrees of temperature before blistering. Complete rupture of the end closure would require temperatures in excess of 500-600 degrees. As a result of this data, it was requested that a detailed investigation into the cause of the damage to the missile end closure be conducted and a report be submitted to NAWC Pt. Mugu. Therefore, forward the damaged end closure to Pt. Mugu for investigation and provide photos of the reported bulging condition.

08DEC95: In accordance with an E-mail, it was advised that missile S/N 085251, PE24 was off loaded from USS Chancellorsville on 05 December 1995, in Condition Code "E". It was stated that a rip was in the forward cover. An E-mail from NAWC Pt. Mugu stated that a replacement end cover was not necessary, because the ship had off loaded it's missiles at NWS Seal Beach.

03JAN96: NAWC Pt. Mugu, has reviewed the CAIMS/SLITS database, and it advised that on 09 December 1995, NWS Seal beach took receipt of missile in Condition Code "E" under document number R21451-5339-8069.

23DEC96: NAWC Pt. Mugu reviewed the CAIMS/SLITS database, and it concluded that on 03 December 1996, NWS Seal Beach issued the missile to NWS Yorktown under document number N49935-6283-5254 and Yorktown took receipt on 16 December 1996 and placed it in Condition Code "F".

20FEB97: AWARS database SLIT report show missile S/N 085251 still at Yorktown but not inducted for inspection or test. Missile remains in condition code "F".

30SEP97: A review of AWARS, the SLIT report still showing missile at Yorktown in condition code "F". Unit not been inducted for test or inspection.

30OCT98: Review of the SLITS data in AWARS status of missile S/N 085251 remains the same stated above.

14JUL99: Due to an oversight the missile was not identified as an AWCAP reported asset, and therefore was not processed as one upon its receipt at NWS Yorktown. Asset remains at Yorktown in condition code "F". Maintenance data system sheets will be added to AWARS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 15999**

**(Continued)**

database. Deficiency report maintenance action assignment will remain open pending response from AOC Yorktown.

14AUG00: AWARS SLITS database as of 20 March 2000, fleet returned missile S/N 085251 remains at AOC Yorktown in condition code "F". Deficiency report to remain open pending missile induction and missile testing.

03MAR01: AWARS SLITS database as of 16 February 2001, shows missile S/N 085251 remains in condition code "F" at AOC Yorktown. No details available.

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	CONDUCT MSL 085251 STAT FOLLOWUP		COMPLETE 14JUL99
	NAWC DET YORKTOWN/323000E	MONITOR MSL 085251 INDUCT STATUS		COMPLETE 03MAR01
	NAWC PT MUGU/313000E	CONDUCT MSL 085251 END CLOSURE INVEST		CANCELED 08DEC95
	NAWC PT MUGU/313100E	MONITOR MSL 085251 MDS INPUT STATUS		CANCELED 14AUG00
	NAWC PT MUGU/313100E	PROVIDE MSL 085251 END CLOSURE FOLLOWUP		CANCELED
	NAWC PT MUGU/313100E	AWARS MSL 085251 FOLLOWUP		COMPLETE 30DEC98
	NAWC PT MUGU/313100E	CHECK MSL 085251 STATUS	16DEC01	OPEN

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS CHANCELLORSVILLE (CG-62) MESSAGE 130806ZAUG95	PROBLEM REPORT
	NAWC PT MUGU/313000E MESSAGE 230129ZAUG95	INTERIM RESPONSE
	NAWC PT MUGU/313100E E-MAIL REPORTS 08DEC95	MSL S/N 085251 DISPOSITION STATUS
	NAWC PT MUGU/313100E CAIMS DATABASE 03JAN96	MSL FOLLOWUP
	NAWC PT MUGU/313100E CAIMS/SLITS REPROT 23DEC96	MSL S/N 085251 LOCATED AT YORKTOWN
	NAWC PT MUGU/313100E AWARS SLITS DATA 20FEB97	MSL AT YORKTOWN CC-F
	NAWC PT MUGU/313100E AWARS SLITS DATA 30SEP97	MSL AT YORKTOWN CC-F
	NAWC PT MUGU/313100E AWARS SLITS DATA 30OCT98	MLS STILL CC-F AT YORKTOWN
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 14JUL99	MSL S/N 085251 STILL AT YORKTOWN CC-F

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HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 15999

(Continued)

REFERENCES : IDENTIFICATION

NAWC PT MUGU/313100E AWARS SLITS  
DATABASE 14AUG00  
NAWC PT MUGU/313100E AWARS SLITS  
DATABASE 03MAR01

REFERENCE BRIEF

MSL REMAIN AT YORKTOWN CC-F  
MSL STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16416**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR SURF ATCK AUR GM	1657AS0100-52	1410	01-255-6341	PD84

**EI CNTRL NO:**

**PROB BRIEF :** INLET DUCT COVER GASKET MISSING

**PROBLEM :** Inlet duct cover gasket discovered missing during post flight  
**DESCRIPTION** inspection.

**PREVENTIVE :** Preventive action has not been established.  
**ACTION**

**CORRECTIVE :** Corrective action has not been established.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VS-24	CODR	V09629-97-0010	09SEP97	OPEN
<b>ACTION :</b>	VS-24	CODR	V09629-97-0010	09SEP97	OPEN

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085381			
<b>FAILED PART:</b>	1657AS0100-52	1410	01-255-6341	PD84
	<b>NOMEN:</b> AIR SURF ATCK AUR GM			
	<b>S/N:</b> 085381			

**DESCRIPTION:**

091200ZSEP97: While aboard USS John F. Kennedy (CV-67) during postflight inspection of HARPOON ATM-84D-1 air-launch missile S/N 085381, VS-24 reported an air inlet cover gasket was discovered missing.

**ACTION TAKEN:**

220729ZSEP97: NAWC Pt. Mugu informed USS John F. Kennedy (CV-67) and VS-24 that missile S/N 085381 was to be off loaded for shipment to NWS Yorktown at the earliest opportunity for further inspection and test.

30NOV98: NAWC Det Yorktown Status report confirmed missile S/N 085381 was in receipt at Yorktown and currently awaiting testing.

30DEC99: AWARS maintenance data sheet for missile S/N 085381 was initiated on 27 September 1999. Missile log book identified missile as having a missing inlet cover gasket. Missile failed incoming test parameter 5345 - Range Rate/Static Angle & Angle Line of Sight Rate.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16416**

**(Continued)**

Failing this code identifies a faulty guide unit. Therefore, guidance section 097031 was removed. With a replacement inlet duct and guide unit installed missile was returned to ready for issue status on 29 September 1999. On 30 September 1999, faulty guidance section S/N 097031 failed a section level test.

30NOV00: AWARS data still showing defective guide S/N 097031 to be in receipt at AOC Yorktown and in storage as of 26 September 2000. No other data available.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL S/N		COMPLETE 30NOV98
		YORKTOWN/323000E	085381 RECEIPT		
		NAWC DET	MONITOR G/S 097031		COMPLETE 30NOV00
		YORKTOWN/323000E	STATUS		
		NAWC PT MUGU/313100E	FOLLOWUP ON MSL		COMPLETE 22AUG00
			085381 AURT		
		NAWC PT MUGU/313100E	CHECK GUIDE 097031	16DEC01	OPEN
			STATUS		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VS-24 MESSAGE 091200ZSEP97	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
	220729ZSEP97	
	NAWC DET YORKTOWN/323000E STATUS RPT	MSL RECEIPT DATE
	30NOV98	
	NAWC PT MUGU/313100E AWARS DATABASE	MSL AURT RESULTS
	30DEC99	
	NAWC PT MUGU/313100E AWARS DATABASE	GUIDE STATUS
	30NOV00	

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16521**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-30	1410	01-263-2928	PE25
	CANISTER SHK RES SURF ATCK AUR GM	1657AS0302-38	1410	01-263-2932	PE24

**EI CNTRL NO:**

**PROB BRIEF :** IGNITION AND CONTROL CABLE DAMAGES

**PROBLEM :** Inspection revealed damaged ignition and control cables.  
**DESCRIPTION**

**PREVENTIVE :** Removed damaged cables for evaluation and corrective action.  
**ACTION**

**CORRECTIVE :** To be determined.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS CHANCELLORSVILLE (CG-62)	CODR	R21451-99-0002	16NOV99	OPEN
	USS BENFOLD (DDG-65)	CODR	R21940-99-0001	30OCT99	OPEN
	USS LEYTE GULF (CG-55)	CODR	V21388-99-0002	20OCT99	OPEN
	USS GATES (CG-51)	CODR	V21344-98-0001	06JUL98	OPEN

**ACTION :** USS  
CHANCELLORSVILLE  
(CG-62)

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM <b>S/N:</b> 065035			
<b>FAILED PART:</b>	1657AS0302-30	1410	01-263-2928	PE25
	<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM <b>S/N:</b> 065035			

**DESCRIPTION:**

160649ZNOV99: USS Chancellorsville (CG-62) reported that on 15 November 1999 HARPOON missiles were being prepared for off-load. While removing the ignition cable in preparation for missile S/N 065035 off-load corrosion was noted on the cable connector. The effort to disconnect the cable from the corroded connector resulted in broken and bent pins. Suspect ineffective weatherproofing.



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16521**

**(Continued)**

**ACTION TAKEN:**

170429ZNOV99: NAWC Pt. Mugu provided missile S/N 065035 disposition instructions. |

30APR01: AWARS SLITS information is showing that on 11 January 2001, AOC Yorktown took receipt of fleet returned missile S/N 065035. As of 21 February 2001, missile remains at AOC Yorktown in condition code "F".

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC PT MUGU/313100E	MONITOR MSL S/N 065035 RECEIPT		COMPLETE 30APR01
		NAWC PT MUGU/313100E	MONITOR MSL 065035 STATUS	14DEC01	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS CHANCELLORSVILLE (CG-62) MESSAGE 160649ZNOV99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 170429ZNOV99	INTERIM RESPONSE
		NAWC PT MUGU/313100E AWARS 30APR01	MSL RECEIPT/STATUS

<b>ACTION</b>	<b>:</b>	<b>USS BENFOLD (DDG-65) CODR</b>	<b>R21940-99-0001</b>	<b>30OCT99</b>	<b>OPEN</b>
<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 065644			
<b>FAILED PART:</b>		1657AS0302-30	1410	01-263-2928	PE25
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> 065644			

**DESCRIPTION:**

301208ZOCT99: USS Benfold (DDG-65) reported that during ammunition on load at Naval Station Seal Beach on 09 April 1999, HARPOON missile S/N 065644 failed BIT. Inspection revealed a connector plug with one bent pin. Missile was rejected and returned station ordnance. BIT was conducted in accordance with Maintenance Requirements Card 7211/009 R-1. |

**ACTION TAKEN:**

020329ZNOV99: NAWC Pt. Mugu informed USS Benfold that missile S/N 065644 was in receipt at AOC Yorktown awaiting induction. |

25AUG00: In checking AWARS/SLITS data, missile as 20 March 2000, it was in receipt at AOC Yorktown in condition code "J". No details provided.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16521**

**(Continued)**

30JUN01: AWARS data currently showing that as of 21 February 2001, fleet returned missile S/N 065644 stil in receipt at AOC Yorktown in condition code "J".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	MONITOR MSL 065644		CANCELED
		YORKTOWN/323000E	INDUCTION		
		NAWC DET	INDUCT MSL S/N 065644		COMPLETE 25AUG00
		YORKTOWN/323000E			
		NAWC PT MUGU/313100E	MONITOR MSL 065644	16DEC01	OPEN
			STATUS		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS BENFOLD (DDG-65) MESSAGE	PROBLEM REPORT
		301208ZOCT99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		020329ZNOV99	
		NAWC PT MUGU/313100E AWARS/SLITS	MSL STATUS
		25AUG00	
		NAWC PT MUGU/313100E AWARS DATABASE	MSL STATUS
		30JUN01	

<b>ACTION</b>	<b>:</b>	<b>USS LEYTE GULF</b>	<b>CODR</b>	<b>V21388-99-0002</b>	<b>20OCT99</b>	<b>OPEN</b>
		(CG-55)				

	<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
			1657AS0302-30	1410	01-263-2928	PE25
			<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
			<b>S/N:</b> L1418			
	<b>FAILED PART:</b>		1657AS0302-30	1410	01-263-2928	PE25
			<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
			<b>S/N:</b> L1418			

**DESCRIPTION:**

201605ZOCT99: USS Leyte Gulf (CG-55) reported that on 14 October 1999, in port at Norfolk VA, while conducting routine missile maintenance, the umbilical cable connected to missile S/N L1418 was found to be damaged. While performing Maintenance Requirements Card 7211/009 A-2R it was discovered that the control umbilical connector was defective. Inspection of the cable revealed the key on the connector to have been worn away allowing for the connector to slip when installing the umbilical cable.

**ACTION TAKEN:**

220229ZOCT99: NAWC Pt. Mugu provided USS Leyte Gulf with disposition instructions for missile S/N L1418.

03APR00: NAWC Det Yorktown report of 03 April 2000, stated that

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16521**

**(Continued)**

defective missile S/N L1418 was received at AOC Yorktown on 14 March 2000.

25AUG00: NAWC Det Yorktown 04 August 2000, Status Report advised NAWC Pt. Mugu that fleet returned missile S/N L1418 remains at AOC Yorktown. Missile still in condition code "J", and awaiting to be inducted.

30JUN01: AWARS information is showing that as of 21 February 2001, defective missile S/N L1418 is still in receipt at AOC Yorktown. Missile remains in storage and in condition code "J".

<b>ACTION SUMMARY</b>	<b>: ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
	NAWC DET YORKTOWN/323000E	MONITOR MSL L1418 INDUCTION		CANCELED
	NAWC PT MUGU/313100E	MONITOR MSL S/N L1418 RECEIPT		COMPLETE 04APR00
	NAWC PT MUGU/313100E	MONITOR MSL L1418 STATUS	14DEC01	OPEN

<b>REFERENCES</b>	<b>: IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS LEYTE GULF (CG-55) MESSAGE 201605ZOCT99	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 220229ZOCT99	INTERIM RESPONSE
	NAWC DET YORKTOWN/323000E STATUS REPORT 03APR00	MSL STATUS
	NAWC PT MUGU/313100E STATUS REPORT 25AUG00	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E AWARS 30JUN01	MSL STATUS

<b>ACTION</b>	<b>: USS GATES (CG-51)</b>	<b>CODR</b>	<b>V21344-98-0001</b>	<b>06JUL98</b>	<b>OPEN</b>
<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1657AS0302-38	1410	01-263-2932	PE24
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> L0703			
<b>FAILED PART:</b>		1657AS0302-38	1410	01-263-2932	PE24
		<b>NOMEN:</b> CANISTER SHK RES SURF ATCK AUR GM			
		<b>S/N:</b> L0703			

**DESCRIPTION:**

062345ZJUL98: USS Thomas S Gates (CG-51) reported that during pre-offload inspection of ignition and control cables using Maintenance Requirement Card 7211/900 R-3, a cable connector coupling end broke off one of the cables. The other part of the coupling remained lodged inside the canister ignition receptacle. Missile logbook updated to note the damage.

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16521**

**(Continued)**

**ACTION TAKEN:**

190029ZAPR99: NAWC Pt. Mugu requested clarification as to why damaged missile S/N L0703 was off loaded to USS Ticonderoga (CG-47). Missile should have been off loaded and shipped to AOC Yorktown.

200329ZAPR99: NAWC Pt. Mugu requested USS Thomas S Gates to provide a detailed report surrounding the circumstances as how the connector coupling came to broke off. Were there evidence of corrosion, improper use of tools or excessive force? AOC Yorktown to process missile as a fleet AWCAP returned asset. Yorktown is to assess the cable damage and provide a report of findings.

080220ZMAY99: CG-51 informed NAWC Pt. Mugu that during pre-offload inspection of ignition and control cables no improper tools or excessive force was used. Missile technicians found significant corrosion present on cable and ignition receptacle although protective rubber booting appeared intent. Corrosion was servere enough to significantly weaken cable and resulted in the breakage when normal amount of force applied in attempt to remove cable from receptacle. Original off-load was to have been done at AOC Yorktown. To save SURLANT AMMO funding, Thomas S Gates, Tinconderoga and COMNAVSURFLANT N65 organization deployed plan to crossdeck AMMO from Thomas S Gates to Ticonderoga following the shift in home port for USS Thomas S Gates to Pascagoula. HARPOON in question was included in list of AMMO for crossdecking. When causally occurred, transfer to USS Ticonderoga was only option, as NS Pascagoula weapons department had limited AMMO storage and handling capability and not set up to store HARPOONS.

01NOV99: NAWC Det Yorktown report dated 01 November 1999, show missile S/N L0703 still at AOC Yorktown, but had not been inducted.

04AUG00: NAWC Det Yorktown status report of 04 August 2000, is still showing missile S/N L0703 in receipt at AOC Yorktown. It remains in condition code "J".

30JUN01: AWARS database advises that as of 21 February 2001, fleet returned missile S/N L0703 remains in receipt at AOC Yorktown in condition code "J". No other information available.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
		NAWC DET YORKTOWN/323000E	ASSESS MSL L0703 TESTING		CANCELED
		NAWC PT MUGU/313100E	ASSESS MSL S/N L0703 CABLE DAMAGE		CANCELED 01NOV99
		NAWC PT MUGU/313100E	FOLLOWUP MSL INSP/TEST STATUS		CANCELED 01NOV99
		NAWC PT MUGU/313100E	CHECK MSL L0703 STATUS	16DEC01	OPEN

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16521**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	USS GATES (CG-51) MESSAGE 062345ZJUL98	PROBLEM REPORT
	NAWC PT MUGU/313100E MESSAGE 190029ZAPR99	FOLLOWUP RESPONSE
	NAWC PT MUGU/313100E MESSAGE 200329ZAPR99	INTERIM RESPONSE
	USS GATES (CG-51) MESSAGE 080220ZMAY99	ADDITIONAL INFORMATION
	NAWC DET YORKTOWN/323000E E-MAIL REPORT 01NOV99	MSL ACTION STATUS
	NAWC DET YORKTOWN/323000E STATUS REPORT 04AUG00	MSL INDUCTION STATUS
	NAWC PT MUGU/313100E AWARS 30JUN01	MSL STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16588**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	MISSILE BODY, TACTICAL	1657AS0500-52	1410	01-260-5336	3W99

**EI CNTRL NO:**

**PROB BRIEF :** DAMAGED CONTROL FINS RECEIVED

**PROBLEM :** Box of damaged control fins were received by a fleet activity.  
**DESCRIPTION**

**PREVENTIVE :** To be determined.  
**ACTION**

**CORRECTIVE :** To be determined.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS EISENHOWER (CVN-69)	CODR	V03369-99-0007	12AUG99	CLOSED

<b>ACTION :</b>	<b>USS EISENHOWER</b> (CVN-69)	<b>CODR</b>	<b>V03369-99-0007</b>	<b>12AUG99</b>	<b>CLOSED</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0500-52	1410	01-260-5336	3W99
	<b>NOMEN:</b> MISSILE BODY, TACTICAL			
	<b>S/N:</b> UNKNOWN			
<b>FAILED PART:</b>	1657AS0122-2	1420	01-269-1642	PG75
	<b>NOMEN:</b> FIN ASSEMBLY, MSL CONTROL (AIR/ASROC)			

**DESCRIPTION:**

121200ZAUG99: USS Dwight D Eisenhower (CVN-69) reported that on 09 August 1999 during weapons on load receipt inspection, Quality Assurance discovered traceable seals and MIL-STD tag missing from a boxed set of PG75, AGM-84 HARPOON control fins in condition code "A". Upon opening the box, one of the fins were tagged condition code "F" with no CODR attached. Fins had an elongated torque bolt receptacle.

**ACTION TAKEN:**

160829ZAUG99: NAWC Pt. Mugu acknowledged receipt of deficiency report and requested USS Dwight D Eisenhower (CVN-69) to submit a Report of Discrepancy. Discrepant assets are to be returned to supply. Submit a replacement requisition.

18SEP01: HARPOON Inventory Manager (NALC Mechanicsburg) informed AWCAP Manager that back on 18 August 2000, USS Dwright D. Eisenhower off loaded all their HARPOON assets and at that time turned in the

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16588**

**(Continued)**

deficient fin to AOC Yorktown for repairs. Do to fact the that fin serial number was not reported, determining whether repairs were accomplished is impossible. Therefore, no further action required. This action closes this deficiency report.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR FIN		CANCELED
			REPLACEMENT		
		NAWC PT MUGU/313100E	FOLLOW UP ON FIN		COMPLETE 18SEP01
			REPLACEMENT		

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS EISENHOWER (CVN-69) MESSAGE	PROBLEM REPORT
		121200ZAUG99	
		NAWC PT MUGU/313100E MESSAGE	INTERIM RESPONSE
		160829ZAUG99	
		NAWC PT MUGU/313100E E-MAIL 18SEP01	CLOSURE

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16628**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	CANISTER TW SURF ATCK AUR GM	1657AS0303-30	1410	01-265-6664	PE30

**EI CNTRL NO:**

**PROB BRIEF :** MISSILE BATTERY DEFICIENCY

**PROBLEM :** Sulfuric odor was observed.  
**DESCRIPTION**

**PREVENTIVE :** To be determined.  
**ACTION**

**CORRECTIVE :** To be determined.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	USS STUMP (DD-978)	PQDR I	V20604-99-0001	22OCT99	REOPENED
<b>ACTION :</b>	USS STUMP (DD-978)	PQDR I	V20604-99-0001	22OCT99	REOPENED

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 002334			
<b>FAILED PART:</b>	1657AS0303-30	1410	01-265-6664	PE30
	<b>NOMEN:</b> CANISTER TW SURF ATCK AUR GM			
	<b>S/N:</b> 002334			

**DESCRIPTION:**

221830ZOCT99: USS Stump (DD-978) reported that on 27 March 1999, during missile maintenance inspection there was a sulfuric odor was observed coming from HARPOON (PE30) missile S/N 002334.

**ACTION TAKEN:**

250329ZOCT99: NAWC Pt. Mugu informed USS Stump that missile S/N 002334 had been inducted and tested at AOC Yorktown. Inspection and test revealed no signs of a defective battery. No evidence of sulfuric odor present. Missile did however fail missile all-up-round test parameter 5210, missile power-up, measurement number 17, seeker BIT (radiate). Note, there is no indication missile had failed BIT while aboard ship.

040629ZNOV99: NAWC Pt. Mugu informed concerned activities that deficiency action was closed in error. But, the action remains opened pending assessment of failed guidance section S/N 087037, which was removed from missile S/N 002334.



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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16628**

**(Continued)**

25AUG00: A follow-up with HARPOON AWARS data, it was concluded that removed guidance section S/N 087037 was section-level-tested on 13 September 1999. Test results show guide failed parameters; 6820, 6835, 6845 and 6870. Guide remains at Yorktown in condition code "F".

30OCT00: AWARS as of 26 September 2000, still showing defective guidance section S/N 087037 at AOC Yorktown in condition code "F".

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC DET	PROVIDE MSL 002334		COMPLETE 25AUG00
		YORKTOWN/323000E	TEST RESULTS		
		NAWC PT MUGU/313100E	MONITOR GUIDE STATUS		CANCELED
		NAWC PT MUGU/313100E	CONDUCT GUIDE FOLLOWUP		COMPLETE 30OCT00

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS STUMP (DD-978) MESSAGE 221830Z OCT99	PROBLEM REPORT
		NAWC PT MUGU/313100E MESSAGE 250329Z OCT99	REPLY/CLOSING
		NAWC PT MUGU/313100E MESSAGE 040629Z NOV99	REOPEN PROBLEM
		NAWC PT MUGU/313100E AWARS DATABASE` 25AUG00	GUIDE SLT RESULTS
		NAWC PT MUGU/313100E AWARS DATABASE 30OCT00	GUIDE STATUS

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**HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16869**

**OPEN**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	AIR EXER TRNG AUR MSL	1657AS0100-53	1410	01-255-6342	PD50

**EI CNTRL NO:**

**PROB BRIEF :** TELEMETRY SIGNAL FAILURE

**PROBLEM :** Telemetry tracking aircraft unable to receive missile telemetry  
**DESCRIPTION** signal.

**PREVENTIVE :** To be determined.  
**ACTION**

**CORRECTIVE :** To be determined.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VS-22	CODR	V09287-00-0020	26SEP00	OPEN
<b>ACTION :</b>	VS-22	CODR	V09287-00-0020	26SEP00	OPEN

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1657AS0100-53	1410	01-255-6342	PD50
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 144115			
<b>FAILED PART:</b>	1657AS0100-53	1410	01-255-6342	PD50
	<b>NOMEN:</b> AIR EXER TRNG AUR MSL			
	<b>S/N:</b> 144115			

**DESCRIPTION:**

261145ZSEP00: VS-22 report while at NAS Jacksonville FL, ATM-84D-1 HARPOON missile S/N 144115, could not pass telemetry checks while on deck. Signal was not being received by the telemetry aircraft. Missile however did pass the BIT check.

**ACTION TAKEN:**

030229Z OCT00: NAWC Pt. Mugu acknowledges the receipt of deficiency report. Requested NAS Jacksonville to place missile S/N 144115 in condition code "J". Missile to be packaged and shipped to AOC Yorktown for further test and evaluation.

30NOV00: AWARS SLITS information showing that failed missile S/N 144115 was received at AOC Yorktown on 30 October 2000. It was in placed storage pending maintenance induction.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC PT MUGU/313100E	MONITOR MSL 144115	17DEC01	OPEN
			STATUS		

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HARPOON ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16869

(Continued)

REFERENCES : IDENTIFICATION

VS-22 MESSAGE 261145ZSEP00

NAWC PT MUGU/313100E MESSAGE

030229ZOCT00

NAWC PT MUGU/313100E AWARS 30NOV00

REFERENCE BRIEF

PROBLEM REPORT

INTERIM RESPONSE

MSL STATUS